

SAFETY DATA SHEET

Retinol Binding Protein 4 (human) Competitive EIA Kit

Supersedes Revision: 09/15/2011

	NIL	Supersedes Revision: 09/15/201				
according to	Regulation (EC) No. 1907/2006 as amended by (EC	C) No. 1272/2008				
Section 1. Identific	ation of the Substance/Mixture and of the	Company/Undertaking				
.1 Product Code: 579	9070					
	tinol Binding Protein 4 (human) Competitive El	IA Kit				
	P4;					
I.2 Relevant identified uses of the su	bstance or mixture and uses advised again	ist:				
Relevant identified uses: For	r research use only, not for human or veterinar	y use.				
1.3 Details of the Supplier of the Safe	ety Data Sheet:					
118	yman Chemical Company 30 E. Ellsworth Rd. n Arbor, MI 48108					
	w.caymanchem.com					
	yman Chemical Company	+1 (734)971-3335				
1.4 Emergency telephone number:						
• • •	IEMTREC Within USA and Canada:	+1 (800)424-9300				
	EMTREC Outside USA and Canada:	+1 (703)527-3887				
	Section 2. Hazards Identificati					
2.1 Classification of the Substance o						
Toxic To Reproduction, Catego						
2.2 Label Elements:	ly ib					
GHS Signal Word:	Danger					
GHS Hazard Phrases:						
H360: May damage fertility or the	unborn child.					
GHS Precaution Phrases:						
	P201: Obtain special instructions before use.					
	P201. Obtain special instituctions before use. P202: Do not handle until all safety precautions have been read and understood.					
	P280: Wear {protective gloves/protective clothing/eye protection/face protection}.					
GHS Response Phrases:						
P308+313: IF exposed or concerr	P308+313: IF exposed or concerned: Get medical attention/advice.					
GHS Storage and Disposal Phra	GHS Storage and Disposal Phrases:					
Please refer to Section 7 for Stora	Please refer to Section 7 for Storage and Section 13 for Disposal information.					
2.3 Adverse Human Health Materia	al may be irritating to the mucous membranes a	and upper respiratory tract.				
Effects and Symptoms: May be	e harmful by inhalation, ingestion, or skin absor	rption.				
-	ause eye, skin, or respiratory system irritation.					
-	amage fertility or the unborn child.					
To the	best of our knowledge, the toxicological proper	rties have not been thoroughly investigated				



SAFETY DATA SHEET

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Retinol Binding Protein 4 (human) Competitive EIA Revision: 07/01/2015

Kit

Supersedes Revision: 09/15/2011

Section 3. Composition/Information on Ingredients						
CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification		
NA NA	Wash Buffer Concentrate (10X)	~36.72 %	NA NA	No data available.		
NA NA	Dilution Buffer (5X)	~36.72 %	NA NA	No data available.		
NA NA	Detection Antibody	~ 8.813 %	NA NA	No data available.		
NA NA	Anti-Rabbit IgG/HRP Conjugate (100X)	~ 0.11 %	NA NA	No data available.		
NA NA	RBP4 (human) EIA Standard	< 0.004 %	NA NA	No data available.		
NA NA	Substrate Solution I	~ 4.0 %	NA NA	No data available.		
NA NA	Substrate Solution II	~ 4.407 %	NA NA	No data available.		
NA NA	Stop Solution	~ 8.813 %	NA NA	No data available.		
NA NA	Quality Control Sample	< 0.004 %	NA NA	No data available.		
68-12-2 LQ2100000	N,N-Dimethylformamide	0.0 -0.5 %	200-679-5 616-001-00-X	Acute Tox.(D) 4: H312 Eye Damage 2: H319 Acute Tox.(I) 4: H332 Toxic Repro. 1B: H360		

Section 4. First Aid Measures

4.1	Description of First Aid	
	Measures:	
	In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
	In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
	In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
	In Case of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Multi-region format

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SAFETY DATA SHEET

Retinol Binding Protein 4 (human) Competitive EIA Revision: 07/01/2015 Kit

Supersedes Revision: 09/15/2011

		Section 5.	Fire Fighting Mea	isures			
5.1	Suitabl	e Extinguishing Use alcohol-resistant	t foam, carbon dioxide, water	, or dry chemical spray.			
	Media:	ia: Use water spray to cool fire-exposed containers.					
	Unsuita	able Extinguishing A solid water stream	may be inefficient.				
	Media:						
5.2		able Properties andNo data available.					
	Hazard						
		No data available.					
	Flash F						
	-	ive Limits: LEL: No data.	UEL: No da	ta.			
	-	nition Pt: No data.	olf contained by othing one	ratus pressure demand (NIC			
5.3	Fire Fig	<pre>ghting Instructions: As in any fire, wear s equivalent) and full r</pre>	protective gear to prevent cor		SH approved or		
			C .	-			
			cidental Release N				
6.1		-	eathing dust, and provide add				
		ive Equipment and As conditions warrar					
	-	· · · · · · · · · · · · · · · · · · ·		s, safety goggles, and heavy	rubber gloves).		
6.2	Enviro		release into the environment	, if safe to do so.			
6.3		is and Material For Contain spill and coll	lact as appropriate				
5.5		nment and Cleaning Transfer to a chemic		al in accordance with local re	equilations.		
	Up:				sgulatione.		
	•						
	Section 7. Handling and Storage						
				5			
7.1		tions To Be Taken Avoid breathing dust/	/fume/gas/mist/vapours/spray	5			
	in Hand	tions To Be Taken Avoid breathing dust/ dling: Avoid prolonged or re	/fume/gas/mist/vapours/spray	5			
7.1 7.2	in Hand Precau	tions To Be Taken Avoid breathing dust/ dling: Avoid prolonged or re tions To Be Taken Keep container tightly	/fume/gas/mist/vapours/spray epeated exposure. y closed.	<i>I</i> .			
	in Hand	tions To Be Taken Avoid breathing dust/ dling: Avoid prolonged or re tions To Be Taken Keep container tightly	/fume/gas/mist/vapours/spray	<i>I</i> .			
	in Hand Precau	tions To Be Taken Avoid breathing dust/ dling: Avoid prolonged or re tions To Be Taken Keep container tightly	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the	/. product insert.			
7.2	in Hand Precau in Stor	tions To Be TakenAvoid breathing dust/ Avoid prolonged or re- tions To Be Takentions To Be TakenKeep container tightly Store in accordance or	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the	/. product insert.			
7.2	in Hand Precau in Stor Exposu	tions To Be Taken Avoid breathing dust/ Aling: Avoid prolonged or re tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the	/. product insert.	Europe		
7.2	in Hand Precau in Stor Exposu	tions To Be Taken Avoid breathing dust/ dling: Avoid prolonged or re tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu re Parameters:	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor	product insert.	Europe No data.		
	in Hand Precau in Stori Exposu	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu re Parameters: Partial Chemical Name	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40	product insert. nal Protection	-		
7.2	in Hand Precau in Stori Exposu # NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X)	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data.	product insert. nal Protection France VL No data.	No data.		
7.2	in Hand Precau in Stori Exposu # NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X)	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data. No data.	product insert. nal Protection France VL No data. No data.	No data.		
7.2	in Hand Precau in Stori Exposu # NA NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re- tions To Be Taken Keep container tightly ing: Store in accordance v Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X) Detection Antibody	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the ire Controls/Persor Britain EH40 No data. No data.	product insert. nal Protection France VL No data. No data. No data.	No data. No data. No data.		
7.2	in Hand Precau in Stori Exposu # NA NA NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re- tions To Be Taken Keep container tightly ing: Store in accordance Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X) Detection Antibody Anti-Rabbit IgG/HRP Conjugate (100X)	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data. No data. No data.	/. product insert. nal Protection France VL No data. No data. No data. No data. No data.	No data. No data. No data. No data. No data.		
7.2	in Hand Precau in Stori Exposu # NA NA NA NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re- tions To Be Taken Keep container tightly ing: Store in accordance of Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X) Detection Antibody Anti-Rabbit IgG/HRP Conjugate (100X) RBP4 (human) EIA Standard	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data. No data. No data. No data.	product insert. nal Protection France VL No data. No data. No data. No data. No data. No data.	No data.		
7.2	in Hand Precau in Stori Exposu # NA NA NA NA NA NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re- tions To Be Taken Keep container tightly ing: Store in accordance v Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X) Detection Antibody Anti-Rabbit IgG/HRP Conjugate (100X) RBP4 (human) EIA Standard Substrate Solution I	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data. No data. No data. No data. No data. No data.	/. product insert. nal Protection France VL No data. No data. No data. No data. No data. No data. No data. No data. No data. No data.	No data.		
7.2	in Hand Precau in Stori Exposu # NA NA NA NA NA NA NA NA	tions To Be Taken Avoid breathing dust/ Avoid prolonged or re- tions To Be Taken Keep container tightly ing: Store in accordance of Section 8. Exposu re Parameters: Partial Chemical Name Wash Buffer Concentrate (10X) Dilution Buffer (5X) Detection Antibody Anti-Rabbit IgG/HRP Conjugate (100X) RBP4 (human) EIA Standard Substrate Solution I	/fume/gas/mist/vapours/spray epeated exposure. y closed. with information listed on the Ire Controls/Persor Britain EH40 No data. No data. No data. No data. No data. No data.	<pre>// product insert. nal Protection France VL No data. No data.</pre>	No data. No data.		

Multi-region format



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Cay	man	Λ	etinol Binding	Kit		-	Revision: 07/01/2015 Supersedes Revision: 09/15/2011	
CAS #	¥	Partial Chemical	al Chemical Name		A	CGIH TWA	Other Limits	
	NA	Wash Buffer Conc	entrate (10X)	No data.	No data.	No data.		
	NA	Dilution Buffer (5X	()	No data.	N	o data.	No data.	
	NA	Detection Antibody	y	No data.	N	o data.	No data.	
	NA	Anti-Rabbit IgG/HI	RP Conjugate (100X)	No data.	N	o data.	No data.	
	NA	RBP4 (human) El	A Standard	No data.	N	o data.	No data.	
	NA	Substrate Solution	n I	No data.	N	o data.	No data.	
	NA	Substrate Solution II		No data.	N	o data.	No data.	
	NA	Stop Solution		No data.	N	o data.	No data.	
	NA	Quality Control Sa	Imple	No data.	N	o data.	No data.	
68	-12-2	N,N-Dimethylform	-	PEL: 10 ppm	Τι	_V: 10 ppm	No data.	
8.2	Exposur	re Controls:		1	I		l	
8.2.1	Enginee	ering Controls	Use process enclosu	res, local exhaust v	entilation, or o	ther engineering	controls to control airborne	
	(Ventila	tion etc.):	levels below recomm	ended exposure lin	nits.			
8.2.2	Persona	al protection equip	oment:					
	Eye Pro	tection:	Safety glasses					
	Protecti	ve Gloves:	Compatible chemical	-resistant gloves				
	Other P	rotective Clothing	:Lab coat					
	Respira	tory Equipment	NIOSH approved res	pirator, as conditior	ns warrant.			
	(Specify	/ Туре):						
	Work/H	ygienic/Maintenan	Do not take internally	<i>.</i>				
	ce Pract	tices:	Facilities storing or ut	tilizing this material	should be equ	ipped with an eye	ewash facility and a safety	
			shower.					
			Wash thoroughly afte	er handling.				
		No data available.						
		S	ection 9. Phys	sical and Che	emical Pro	operties		
9.1	Informat	ion on Basic Phys	sical and Chemical P	roperties				
	Physica	I States:		X] Liquid [X]	Solid			
		ance and Odor:	No data availa	able.				
	Melting		No data.					
	Boiling		No data.					
	Flash P		No data.					
	-	ation Rate:	No data.					
		mability (solid, gas): No data avail						
	-	sive Limits: LEL: No data		1.	UEL: No	data.		
	-	Pressure (vs. Air o	r mm No data.					
	Hg):	Annaithe (sea Aim d						
-		Density (vs. Air = 1	-					
		Gravity (Water =						
	-		•					
	Solubili	ty in Water: hition Pt:	No data. No data. No data.					



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Multi-region format

Kit

Supersedes Revision: 09/15/2011

.2							
	Other Inf	ormation					
	Percent	Volatile:	No data.				
			Section 10. Stabilit	y and Reacti	vity		
0.1	Reactivi	ty:	No data available.				
0.2	Stability	:	Unstable [] Stable [X]				
0.3	Stability	Note(s):	Stable if stored in accordance with	n information listed	on the product	insert.	
	Polymerization: Will occur [] Will not occur [X]						
0.4	Conditio	ons To Avoid:	No data available.				
0.5	Incompa	tibility - Materia	Is No data available.				
	To Avoid	d:					
0.6	Hazardo	us	No data available.				
	Decomp	osition or					
	Byprodu	icts:					
			Section 11. Toxicolo	gical Informa	ation		
1.1	Informat	ion on	The toxicological effects of this pro	oduct have not beer	n thoroughly st	udied.	
	Toxicolo	gical Effects:	DMF - Toxicity Data: Oral LD50 (r	nouse): 2,900 mg/kg	g; Oral LD50 (ı	rat): 2,000 mg/	kg; Oral LD50
			(rabbit): 5,000 mg/kg; Skin LD50 (rat): >3,200 mg/kg;	Skin LD50 (ra	bbit): 4,720 mg	J/kg;
	Chronic	Toxicological	DMF - Investigated as a mutagen	•		-	
	Effects:		Only select Registry of Toxic Effect		stances (RTE	CS) data is pre	sented here.
			See actual entry in RTECS for con	•			
	Consing		DMF RTECS Number: LQ210000		ogonicity to by		
Carcinogenicity/Other			DMF - IARC: Group 3: Not classifiable as to its carcinogenicity to humans;				
	Informat	ioni			- <u>-</u>	interio,	
arcir	Informat nogenicity		NTP? No IARC Monographs			interio,	
	nogenicity	/:	NTP? No IARC Monographs		egulated? No	ACGIH	OSHA
	nogenicity	r: Hazardous Cor		? No OSHA Re	egulated? No		OSHA n.a.
	nogenicity #	r: Hazardous Cor	mponents (Chemical Name)	? No OSHA Re	egulated? No	ACGIH	
	nogenicity # NA	Hazardous Cor Wash Buffer Co	mponents (Chemical Name) oncentrate (10X) 5X)	? No OSHA Re NTP n.a.	egulated? No IARC n.a.	ACGIH n.a.	n.a.
	nogenicity # NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo	mponents (Chemical Name) oncentrate (10X) 5X)	? No OSHA Re NTP n.a. n.a.	egulated? No IARC n.a. n.a.	ACGIH n.a. n.a.	n.a. n.a.
	nogenicity # NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X)	? No OSHA Re NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a.	ACGIH n.a. n.a. n.a.	n.a. n.a. n.a.
	nogenicity # NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human)	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard	? No OSHA Re NTP n.a. n.a. n.a. n.a. n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a.	ACGIH n.a. n.a. n.a. n.a. n.a.	n.a. n.a. n.a. n.a.
	NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I	No OSHA Re NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a. n.a. n.a. n.a. n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a.
CAS :	NA NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG, RBP4 (human) Substrate Soluti	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I	No OSHA Res NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
	NA NA NA NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II	No OSHA Res NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
	nogenicity # NA NA NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibe Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II	No OSHA Res NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
	NA NA NA NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide	No OSHA Res NTP n.a. n.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
68	nogenicity # NA NA NA NA NA NA NA NA NA NA NA NA S-12-2	Hazardous Cor Wash Buffer Co Dilution Buffer Co Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) oncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide Section 12. Ecolog	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
68	nogenicity # NA NA NA NA NA NA NA NA NA NA NA	Hazardous Cor Wash Buffer Co Dilution Buffer Co Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) Incentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide Section 12. Ecolog Avoid release into the environmer	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
68 2.1	nogenicity # NA NA NA NA NA NA NA NA NA NA NA -12-2 Toxicity:	Hazardous Cor Wash Buffer Co Dilution Buffer Co Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control 2 N,N-Dimethylfor	mponents (Chemical Name) incentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion I Sample rmamide Section 12. Ecolog Avoid release into the environmer Runoff from fire control or dilution	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
<u>68</u>	nogenicity # NA NA NA NA NA NA NA NA NA S-12-2 Toxicity: Persiste	Hazardous Cor Wash Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) Incentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide Section 12. Ecolog Avoid release into the environmer	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
<u>68</u> 2.1	nogenicity # NA NA NA NA NA NA NA NA NA NA NA -12-2 Toxicity: Persiste Degrada	Hazardous Cor Wash Buffer Co Dilution Buffer Co Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) nncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide Section 12. Ecolog Avoid release into the environmer Runoff from fire control or dilution No data available.	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
<u>68</u> 2.1	nogenicity # NA A NA Persiste Degrada Bioaccu	Hazardous Cor Wash Buffer Co Dilution Buffer Co Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) incentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion I Sample rmamide Section 12. Ecolog Avoid release into the environmer Runoff from fire control or dilution	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.
<u>68</u> 2.1	nogenicity # NA NA NA NA NA NA NA NA NA NA NA -12-2 Toxicity: Persiste Degrada	Hazardous Cor Wash Buffer Co Dilution Buffer Co Dilution Buffer (Detection Antibo Anti-Rabbit IgG/ RBP4 (human) Substrate Soluti Substrate Soluti Stop Solution Quality Control N,N-Dimethylfor	mponents (Chemical Name) nncentrate (10X) 5X) ody /HRP Conjugate (100X) EIA Standard ion I ion II Sample rmamide Section 12. Ecolog Avoid release into the environmer Runoff from fire control or dilution No data available.	No OSHA Res NTP n.a. n.a. n.a. in.a. n.a. in.a. n.a. in.a. n.a. itcal Informat n.a.	egulated? No IARC n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	ACGIH n.a. n.a.	n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.



SAFETY DATA SHEET Retinol Binding Protein 4 (human) Competitiv

ing Protein 4 (human) (Competitive EIA
Kit	Supersed

Revision: 07/01/2015 Supersedes Revision: 09/15/2011

assess 12.6 Other	sment: adverse effects: No data available.							
Section 13. Disposal Considerations								
·								
	3.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.							
	Section 14. Trar	nsport Information	ation					
14.1 LAND	TRANSPORT (US DOT):							
-	ber Shipping Name: Not dangerous goods.							
	ard Class:							
	TRANSPORT (European ADR/RID): Shipping Name: Not dangerous goods.							
UN Numb								
Hazard C	lass:							
14.3 AIR T	RANSPORT (ICAO/IATA):							
ICAO/IAT	A Shipping Name: Not dangerous goods.							
Additional Tr	ansport Transport in accordance with I	ocal, state, and fede	ral regulations.					
Information:								
	Section 15. Regu	latory Inform	ation					
EPA SARA (S	Superfund Amendments and Reauthorization Act	of 1986) Lists						
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)				
NA	Wash Buffer Concentrate (10X)	No	No	No				
NA	Dilution Buffer (5X)	No	No	No				
NA	Detection Antibody	No	No	No				
NA	Anti-Rabbit IgG/HRP Conjugate (100X)	No	No	No				
NA	RBP4 (human) EIA Standard	No	No	No				
NA	Substrate Solution I	No	No	No				
NA	Substrate Solution II	No	No	No				
NA	Stop Solution	No	No	No				
NA	Quality Control Sample	No	No	No				
68-12-2	N,N-Dimethylformamide	No	Yes 100 LB	Yes				
CAS #	Hazardous Components (Chemical Name)	Other US EPA o	r State Lists					
NA	Wash Buffer Concentrate (10X)	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
NA	Dilution Buffer (5X)	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
NA	Detection Antibody	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
NA	Anti-Rabbit IgG/HRP Conjugate (100X)	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
NA	RBP4 (human) EIA Standard	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
NA	Substrate Solution I	CAA HAP,ODC: PROP.65: No	No; CWA NPDES: No	o; TSCA: No; CA				
	•			Multi-region format				

		SAFET	Y DATA SHEET		Page: 7 of
Cayman	F	Retinol Binding Protein	n 4 (human) Com Kit	petitive EIA Revis Supersedes Revis	sion: 07/01/2015 sion: 09/15/2011
NA	Substrate Solutio	on II	CAA HAP,ODC: No; (PROP.65: No	CWA NPDES: No; TSCA:	No; CA
NA Stop Solution			CAA HAP,ODC: No; (PROP.65: No	CWA NPDES: No; TSCA:	: No; CA
NA	Quality Control S	Sample	CAA HAP,ODC: No; (PROP.65: No	CWA NPDES: No; TSCA:	No; CA
68-12-2	N,N-Dimethylforr	mamide	CAA HAP,ODC: HAP; Inventory, 8D TERM;	CWA NPDES: No; TSC. CA PROP.65: No	A: Yes -
Regulatory In Statement:	formation	This SDS was prepared in acco No.1272/2008.	ordance with 29 CFR 191	0.1200 and Regulation (E	C)
		Section 16. Ot	her Information		
Revision Date	9:	07/01/2015			
Additional Inf	formation About	No data available.			
Company Pol	licy or Disclaimer:	DISCLAIMER: This information currently available to us. However express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no warranty t to such information, and	of merchantability or any we assume no liability res	other warranty, sulting from its