

PRODUCT INFORMATION

DDDDK-tag Rabbit Monoclonal Antibody (Clone RM399)

Item No. 42811

Overview and Properties

Contents:	This vial contains 100 µg of protein A-affinity purified monoclonal antibody.
Immunogen:	A mixture of peptides N- or C-terminally labeled with a DDDDK-tag
Cross Reactivity:	(+) Recombinant proteins containing a DDDDK-tag; (-) Endogenous mammalian proteins, endogenous bacterial proteins
Species Reactivity:	Species Independent
Form:	Liquid
Storage:	-20°C (as supplied)
Stability:	≥1 year
Storage Buffer:	PBS with 50% glycerol, 1% BSA, and 0.09% sodium azide
Concentration:	1.0 mg/ml
Clone:	RM399
Host:	Rabbit
Isotype:	IgG
Applications:	Western blot (WB); the recommended starting concentration is 0.001–0.1 µg/ml. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Image



Lane 1: Transfected 293T cells
Lane 2: Non-transfected 293T cells

WB of 293T cells transfected with a DNA construct encoding DDDDK tag fusion protein or non-transfected, using DDDDK-tag Rabbit Monoclonal Antibody (Clone RM399) at a concentration of 0.001 µg/ml.

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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Description

DDDDK-tag Rabbit Monoclonal Antibody is a probe for the immunochemical detection of DDDDK tags on recombinant proteins. Recombinant proteins are commonly labeled with affinity tags, such as DDDDK, which is a derivative of the DYKDDDDK-tag and a recognition sequence for enterokinases, to facilitate both their detection and purification.¹⁻³ DDDDK tags are utilized because of their small size, low potential to interfere in protein folding or activity, and strong immunoreactivity. Cayman's DDDDK-tag Rabbit Monoclonal Antibody (Clone RM399) can be used for Western blots (WBs).

References

1. Hopp, T.P., Prickett, K.S., Price, V.L., *et al.* A short polypeptide marker sequence useful for recombinant protein identification and purification. *Nat. Biotechnol.* **6**, 1204-1210 (1988).
2. Terpe, K. Overview of tag protein fusions: From molecular and biochemical fundamentals to commercial systems. *Appl. Microbiol. Biotechnol.* **60**(5), 523-533 (2003).
3. Ferrando, R.E., Newton, K., Chu, F., *et al.* Immunohistochemical detection of FLAG-tagged endogenous proteins in knock-in mice. *J. Histochem. Cytochem.* **63**(4), 244-255 (2015).

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