

PRODUCT INFORMATION



Nectin-4 Polyclonal Antibody

Item No. 43762

Overview and Properties

Contents:	This vial contains 100 µl of protein A-affinity purified polyclonal antibody.
Synonyms:	EDSS1, Ig Superfamily Receptor LNIR, Nectin Cell Adhesion Molecule 4, Poliovirus Receptor-related Protein 4, PRR4, PVRL4
Immunogen:	Recombinant human nectin-4
Cross Reactivity:	(+) Nectin-4
Species Reactivity:	(+) Human
Form:	Liquid
Storage:	-80°C (as supplied)
Stability:	≥1 year
Storage Buffer:	0.2 µm filtered solution in PBS
Host:	Rabbit
Isotype:	IgG
Applications:	ELISA; the recommended starting dilution is 1:5,000-1:10,000. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Description

Nectin-4 is a single-pass type I membrane glycoprotein and member of the nectin family of adhesion molecules.¹ It is composed of three extracellular immunoglobulin-like domains, a transmembrane domain, and a cytoplasmic tail containing an afadin-binding motif. Nectin-4 is expressed in the placenta and embryo but is expressed only at low levels in adults.² It interacts strongly with nectin-1 and weakly with other nectin-4 proteins to mediate cell-cell adhesion.³ Nectin-4 is overexpressed in a variety of cancers, including lung, breast, and urothelial cancers, and its expression is associated with cancer progression and metastasis.^{1,2} It also acts as an epithelial receptor for measles viral entry.⁴ Mutations in *NECTIN4* are associated with ectodermal dysplasia-syndactyly syndrome 1 (EDSS1), a disease characterized by hair and teeth abnormalities and cutaneous syndactyly of the hands and/or feet.⁵ Cayman's Nectin-4 Polyclonal Antibody can be used for ELISA.

References

1. Samanta, D. and Almo, S.C. Nectin family of cell-adhesion molecules: Structural and molecular aspects of function and specificity. *Cell. Mol. Life Sci.* **72(4)**, 645-658 (2015).
2. Li, K., Zhou, Y., Zang, M., *et al.* Therapeutic prospects of nectin-4 in cancer: Applications and value. *Front. Oncol.* **14**, 1354543 (2024).
3. Takai, Y., Miyoshi, J., Ikeda, W., *et al.* Nectins and nectin-like molecules: Roles in contact inhibition of cell movement and proliferation. *Nat. Rev. Mol. Cell Biol.* **9(8)**, 603-615 (2008).
4. Noyce, R.S., Bondre, D.G., Ha, M.N., *et al.* Tumor cell marker PVRL4 (nectin 4) is an epithelial cell receptor for measles virus. *PLoS Pathog.* **7(8)**, e1002240 (2011).
5. Brancati, F., Fortugno, P., Bottillo, I., *et al.* Mutations in *PVRL4*, encoding cell adhesion molecule nectin-4, cause ectodermal dysplasia-syndactyly syndrome. *Am. J. Hum. Genet.* **87(2)**, 265-273 (2010).

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.

Copyright Cayman Chemical Company, 09/18/2025

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM