Human Nectin-4
Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 337516

Catalog Number: FAB2659N

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Nectin-4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, does not cross-react with recombinant human Nectin-1, -2, -3, or recombinant mouse Nectin-4.
Source	Monoclonal Mouse IgG_{2B} Clone # 337516
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Nectin-4 Gly27-Val351 Accession # Q96NY8
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

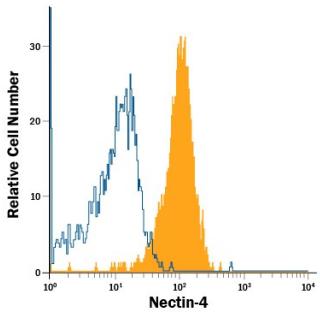
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Nectin-4 in MCF-7 Human Cell Line by Flow Cytometry. MCF-7 human breast cancer cell line was stained with Mouse Anti-Human Nectin-4 Alexa Fluor® 700-conjugated Monoclonal Antibody (Catalog # FAB2659N, filled histogram) or isotype control antibody (Catalog # IC0041N, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Nectin-4 is a 66-70 kDa member of the nectin family, Ig superfamily of molecules. Mature Nectin-4 is a 479 amino acid (aa) Type I transmembrane glycoprotein that contains one V-type and two C2-type Ig-like domains. Nectins mediate the Ca^{++}-independent cell adhesion in junctional complexes and connect to the Actin cytoskeleton via Afadin. Nectins are considered to first form loose cis-homodimers which aggregate and generate homooligomer in-trans, but preferentially generates Nectin-4:Nectin-1 heterooligomers. Cells known to express Nectin-4 include keratinocytes, transitional epithelium, $CD49f^+$ $CD24^+$ luminal mammary epithelium, tooth stratum intermedium cells, and respiratory pseudostratified ciliated columnar epithelium. It is also found on multiple carcinoma cell types. Nectin-4 can be cleaved to generate a 43-44 kDa soluble form that apparently appears only during tumorigenesis. Nectin-4 is also known to bind the measles virus, and possibly interact, indirectly or as a heterodimer, with the prolactin receptor. Over aa 27-351, human and mouse Nectin-4 share 90% aa sequence identity.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956

Human Nectin-4
Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 337516

Catalog Number: FAB2659N

100 TESTS

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956