

Datasheet for ABIN7600132
anti-CD56 antibody (AA 152-690)



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Overview

Quantity:	100 µg
Target:	CD56 (NCAM1)
Binding Specificity:	AA 152-690
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD56 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NCAM1 Antibody Picoband®
Immunogen:	E.coli-derived human NCAM1 recombinant protein (Position: K152-Q690).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NCAM1 Antibody Picoband® (ABIN7600132). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	NCAM1 (NCAM1 Products)
Background:	Synonyms: Neural cell adhesion molecule 1, N-CAM-1, NCAM-1, CD56, NCAM1, NCAM Tissue Specificity: Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. Isoform Alpha is expressed in spleen, breast, ovary, testis, colon and brain, and at low levels in skin and lung. Isoform Sigma is expressed in spleen, breast, ovary, testis, lung, colon, brain and at low levels in skin. Isoform Alpha and isoform Sigma are expressed in pro- myelocytic leukemia, histiocytic lymphoma, Burkitt's lymphoma, T- cell lymphoma, lymphoblastic leukemia, breast adenocarcinoma, ovary adenocarcinoma, prostate carcinoma, prostate adenocarcinoma, lung carcinoma, epidermoid carcinoma, small cell lung carcinoma and colon adenocarcinoma cell lines. . Background: NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.
Molecular Weight:	120-150 kDa
Gene ID:	4684
UniProt:	P13591

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat Flow Cytometry(Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Nguyen, C., Mattei, M. G., Mattei, J.-F., Santoni, M.-J., Goridis, C., Jordan, B. R. : Localization of the human NCAM gene to band q23 of chromosome 11: the third gene coding for a cell interaction molecule mapped to the distal portion of the long arm of chromosome 11. J. Cell Biol. 102: 711-715, 1986. 2. Telatar, M., Lange, E., Uhrhammer, N., Gatti, R. A. : New localization of NCAM, proximal to DRD2 at chromosome 11q23. Mammalian Genome 6: 59-60, 1995. 3.
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Application Details

Rutishauser, U., Acheson, A., Hall, A. K., Mann, D. M., Sunshine, J. : The neural cell adhesion molecule (NCAM) as a regulator of cell-cell interactions. Science 240: 53-57, 1988.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.01 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.