

Recombinant CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-056R]

Catalog No	Format	Size
4684-RBM50-P0	Purified Ab with BSA and Azide	20 ug
4684-RBM50-P1	Purified Ab with BSA and Azide	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-056R
Immunogen	Recombinant fragment (around aa200-400) of human NCAM1 (CD56) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	145 and 125kDa 180
Cellular Localization	Cell membrane, Cytoplasm
Species Reactivity	Human
Positive Control	Tonsil: A small subset of (mainly interfollicular) lymphocytes should show a moderate to strong CD56 immunostaining. A weak to moderate staining can also be seen in fibroblastic reticular cells.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody



Neural cell adhesion molecule 1 Rabbit Recombinant Monoclonal Antibody (MSVA-056R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

This MAbs reacts with an extracellular domain (close to transmembrane) of CD56/NCAM. Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule, which is glycosylated or sialylated to produce the mature species. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.

Supplied As

Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Developmental Biology, Hematopoietic Stem Cells, Immunology, Mesenchymal Stem Cell Differentiation, Neural Stem Cells, Neuroscience, Signal Transduction, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
