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

Rabbit Monoclonal Antibody [Clone NCAM1/2217R]

Catalog No	Format	Size
4684-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4684-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4684-RBM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

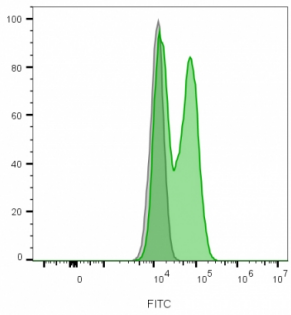
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

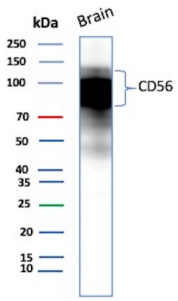
Clone	NCAM1/2217R
Gene Name	NCAM1
Immunogen	Recombinant full-length human NCAM1 (CD56) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	145 and 125kDa|180
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Human Colon or Small Intestine, Human Brain PBMCs.

**Optimal dilution for a specific application should be determined.*

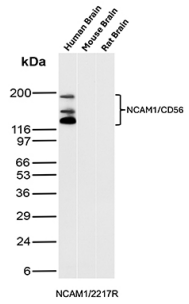
Product Images for Recombinant CD56 / NCAM1 / NKH1 (Neuronal Cell Marker) Antibody



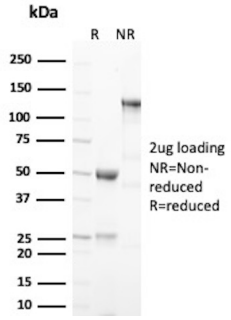
Flow cytometry analysis of lymphocyte-gated PBMCs unstained (gray) or stained with CF488A-labeled CD56 monoclonal antibody (NCAM1/2217R) (green).



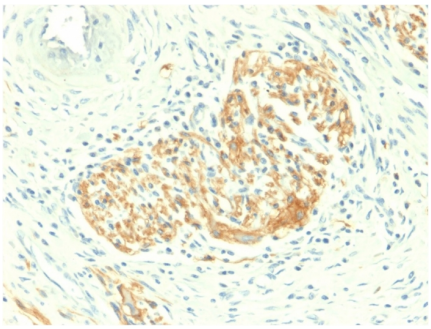
Western blot analysis of Human Brain tissue lysates using CD56 Rabbit Recombinant Monoclonal Antibody (NCAM1/2217R).



Western blot analysis of Human Brain, Mouse Brain and Rat Brain tissue lysates using CD56 Rabbit Recombinant Monoclonal Antibody (NCAM1/2217R).



SDS-PAGE Analysis of Purified Neural cell adhesion molecule 1 Recombinant Rabbit Monoclonal Antibody (NCAM1/2217R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD56 Rabbit Recombinant Monoclonal Antibody (NCAM1/2217R).

Specificity & Comments

This MAb 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

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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

Autophagy, Cardiovascular, Developmental Biology, Immunology, Neuroscience, Cytokine Signaling, Hematopoietic Stem Cells, Mesenchymal Stem Cell Differentiation, Neural Stem Cells, 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.