

Product Datasheet

NCAM / CD56 Antibody (orb1826009)

Catalog Number	orb1826009
Description	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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	A recombinant partial protein (within amino acids 400-650) from the human protein was used as the immunogen for the CD56 antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	NCAM/7521

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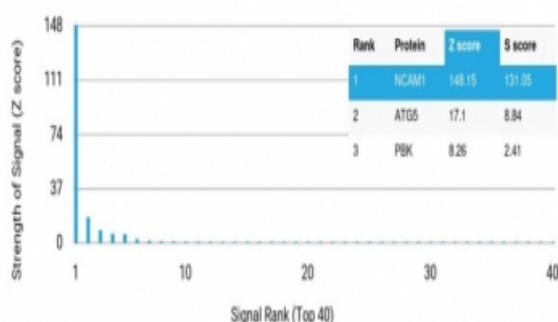
Antibody Type Primary Antibody

Uniprot ID **P13592, P13591**

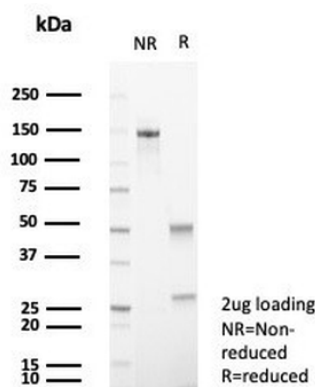
Hazard Information This CD56 antibody is available for research use only.

Dilution Range Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT

Expiration Date 12 months from date of receipt.



Analysis of a HuProt (TM) microarray containing more than 19000 full-length human proteins using CD56 antibody (clone NCAM/7521). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to specific to its intended target, if the mAb has an S-score of at least 2.5. For example, if a mAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that mAb to protein X is equal to 29.



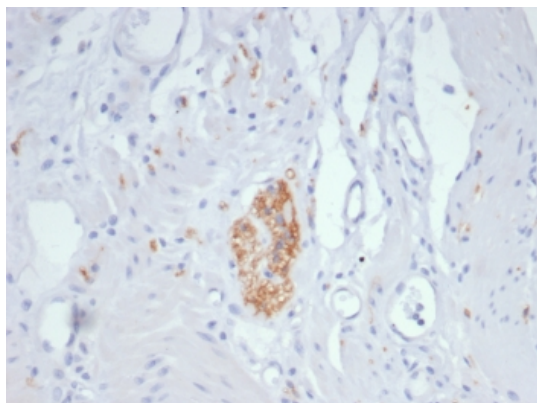
SDS-PAGE analysis of purified, BSA-free CD56 antibody (clone NCAM/7521) as confirmation of integrity and purity.

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IHC staining of FFPE human colon tissue with CD56 antibody (clone NCAM/7521). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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