

Product Datasheet

NCAM / CD56 Antibody Cocktail (orb534325)

Catalog Number	orb534325
Description	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	FACS, IF, IHC-P
Immunogen	A membrane preparation of small cell lung carcinoma was used as the immunogen for this CD56 antibody. This mAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM.
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
Application notes	The optimal dilution of the CD56 antibody for each application should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa

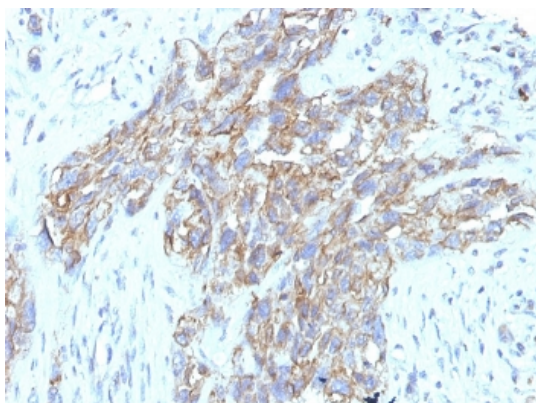
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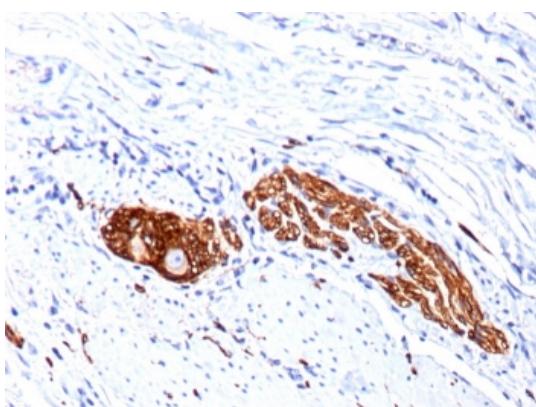
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Clonality	Monoclonal
Clone Number	123C3.D5 + 123A8
Antibody Type	Primary Antibody
Uniprot ID	P13591
Hazard Information	This CD56 antibody is available for research use only.
Dilution Range	Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human lung carcinoma tissue with CD56 antibody (clone 123C3.D5 + 123A8). HIER: boil tissue sections in pH9 EDTA buffer for 10-20 min followed by cooling at RT for 20 min.



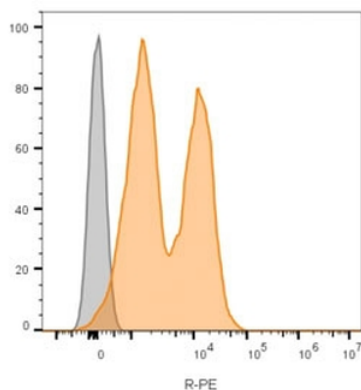
IHC staining of FFPE human colon ganglion tissue with CD56 antibody (clone 123C3.D5 + 123A8). HIER: boil tissue sections in pH9 EDTA buffer for 10-20 min followed by cooling at RT for 20 min.

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Flow cytometry testing of lymphocyte gated human PBM cells using NCAM antibody (clones 123C3.D5 + 123A8, orange) and unstained cells (gray).

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