

Product Datasheet

CD56 Antibody (orb1826003)

Catalog Number	orb1826003
Category	Antibodies
Description	<p>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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A/G affinity
Immunogen	A recombinant partial protein (within amino acids 400-650) from the human protein was used as the immunogen for the CD56 antibody.
UniProt ID	P13591, P13592
Tested applications	IHC-P

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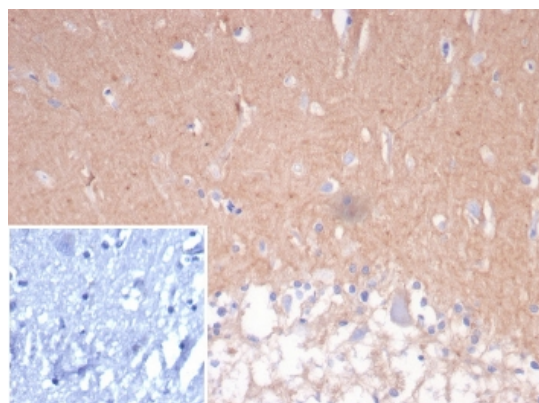
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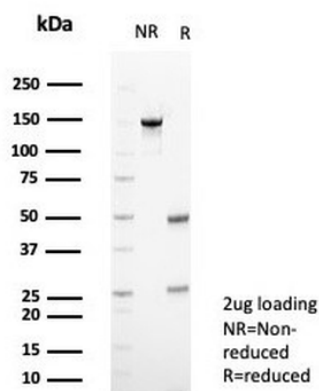
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Application notes	Optimal dilution of the CD56 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	NCAM/7524
Storage	Maintain refrigerated 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
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human cerebellum tissue with CD56 antibody (clone NCAM/7524). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD56 antibody (clone NCAM/7524) as confirmation of integrity and purity.

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