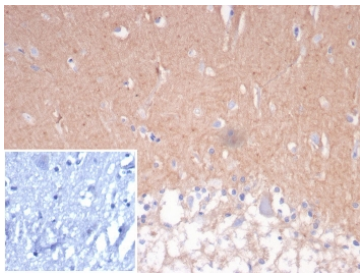
CD56 Antibody [clone NCAM/7524] (V4191)

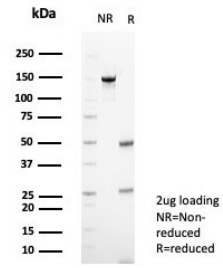
Catalog No.	Formulation	Size
V4191-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4191-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4191SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NCAM/7524
Purity	Protein A/G affinity
UniProt	P13591, P13592
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This CD56 antibody is available for research use only.



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 pH 9 10mM Tris with 1mM 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.

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.

For additional information on NCAM1/CD56 and its roles in neural cell adhesion, neuronal development, and cell signaling, see our NCAM1 Antibody / Neural Cell Adhesion Molecule 1 Antibody page.

Application Notes

Optimal dilution of the CD56 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein (within amino acids 400-650) from the human protein was used as the immunogen for the CD56 antibody.

Storage

Aliquot the CD56 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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