

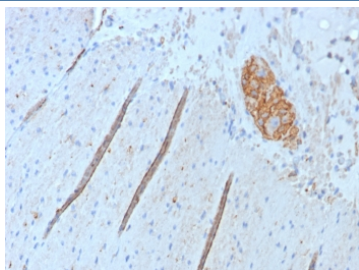
Recombinant CD56 Antibody [clone NCAM1/8392R] (V4193)

Catalog No.	Formulation	Size
V4193-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4193-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4193SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

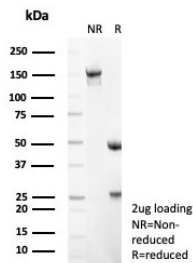
Recombinant **RABBIT MONOCLONAL**

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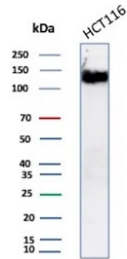
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	NCAM1/8392R
Purity	Protein A/G affinity
UniProt	P13591, P13592
Localization	Cell surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This recombinant CD56 antibody is available for research use only.



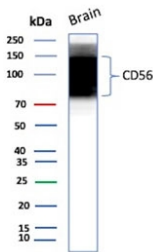
IHC staining of FFPE human colon tissue with recombinant CD56 antibody (clone NCAM1/8392R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD56 antibody (clone NCAM1/8392R) as confirmation of integrity and purity.



Western blot testing of human HCT-116 cell lysate with recombinant CD56 antibody. Predicted molecular weight: ~110 kDa (soluble fragment), ~120/125 kDa (GPI-anchored), 140/180 kDa (transmembrane isoforms).



Western blot testing of human brain tissue lysate with recombinant CD56 antibody. Predicted molecular weight: ~110 kDa (soluble fragment), ~120/125 kDa (GPI-anchored), 140/180 kDa (transmembrane isoforms).

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.

Application Notes

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

Immunogen

A recombinant partial protein (within amino acids 600-800) from the human protein was used as the immunogen for the recombinant CD56 antibody.

Storage

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

