Recombinant L1CAM Antibody rL1CAM/9163 / CD171 Mouse MAb [clone rL1CAM/9163] (V5536)

Catalog No.	Formulation	Size
V5536-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5536-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5536SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rL1CAM/9163
Purity	Protein A/G affinity
UniProt	P32004
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Recombinant L1CAM Antibody rL1CAM/9163 is available for research use only.



Description

L1 (L1 cell adhesion molecule) also known as CAML1, CD171, and HSAS is an adhesion molecule which plays an

important role in the nervous system development, including neuronal migration and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). This mouse monoclonal antibody recognizes the sequence immediately NH2-terminal to the tyrosine-based motif and binds L1 only when Y1176 is dephosphorylated. Phosphorylation of either T1172 or Y1176 strongly inhibits binding of 74-5H7 to the L1 cytoplasmic domain.

Also known as CD171, NCAM-L1 and Neural Cell Adhesion Molecule L1, L1CAM is a cell adhesion protein involved in neuronal migration, axon development and nervous system function; additional target information is available on our L1CAM Antibody page.

Application Notes

Optimal dilution of the Recombinant L1CAM Antibody rL1CAM/9163 should be determined by the researcher.

Immunogen

Recombinant full-length human L1CAM protein was used as the immunogen for the recombinant L1CAM antibody.

Storage

Aliquot the recombinant L1CAM antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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