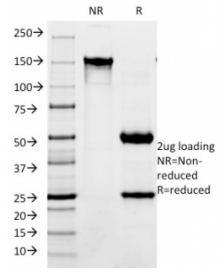
L1CAM Antibody / NCAM-L1 / CD171 [clone SPM275] (V8835)

Catalog No.	Formulation	Size
V8835-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8835-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8835SAF-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	SPM275
Purity	Protein A/G affinity
UniProt	P32004
Localization	Cell Surface
Applications	ELISA (order BSA-free Format For Coating) :
Limitations	This L1CAM antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free L1CAM antibody (clone SPM275) as confirmation of integrity and purity.

Description

Recognizes a cell surface protein of 220-240kDa, identified as L1 cell adhesion molecule. The L1CAM gene, which is located in Xq28, is involved in three distinct conditions: 1) HSAS (hydrocephalus-stenosis of the aqueduct of Sylvius); 2)

MASA (mental retardation, aphasia, shuffling gait, and adducted thumbs); and 3) SPG1 (spastic paraplegia). The L1, neural cell adhesion molecule (L1CAM) also plays an important role in axon growth, fasciculation, and neural migration as well as in mediating neuronal differentiation. Expression of L1 protein is restricted to tissues arising from neuroectoderm. This MAb is useful in the identification of primitive neuroectodermal tumors. It binds to tumors of neuroectodermal and glial origin e.g. neuroblastoma and Schwannomas. It does not bind to pediatric or adult brain.

Application Notes

Optimal dilution of the L1CAM antibody should be determined by the researcher.

Immunogen

Homogenous suspension of 16-week human fetal brain cells were used as the immunogen for the L1CAM antibody.

Storage

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