

Mouse anti-Human. CD171 Monoclonal Antibody | anti-L1CAM antibody

CD171/ NCAM-L1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62659	Mouse	Human.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

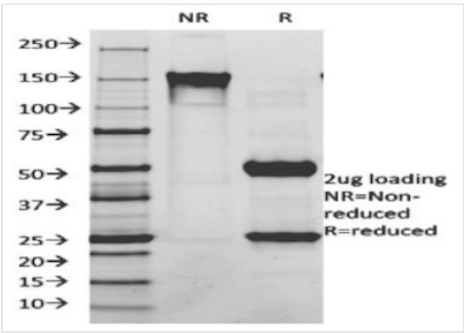
PRODUCT SYNONYMS

CD171; Monoclonal Antibody; CD171/ NCAM-L1; CAML1; HSAS1; Hyd; L1 Cell Adhesion Molecule; L1-NCAM; MASA; MIC5; NCAM-L1; Nerve-growth factor-inducible large external glycoprotein; Neural cell adhesion molecule L1; NILE; S10; SPG1; anti-L1CAM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SPM275
Specificity	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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Sequence Length	1257
Applicable Applications for anti-L1CAM antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell surface
Positive Control	Neuroblastomas or Schwannomas
Human Chromosomal Location	Xq28
Immunogen	Homogenous suspension of 16 week human fetal brain
Preparation and Storage	Antibody with azide store at 2 to 8°C. Non-hazardous. No MSDS required

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified CD171 Mouse Monoclonal Antibody (SPM275). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-L1CAM antibody	IM- Immunology
References	1. Kemshead J, et. al. International J Cancer, 1983; 31:187-195. 2. Patel, et. al. Biochem Soc Transactions, 1990; 18:274

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557707
NCBI GeneID	3897
NCBI Accession #	NP_000416.1
NCBI GenBank Nucleotide #	NM_000425.4
UniProt Accession #	P32004; Q8TA87; A0AV65; A4ZYW4; B2RMU7; G3XAF4
Molecular Weight	220-240kDa
NCBI Official Full Name	neural cell adhesion molecule L1 isoform 1
NCBI Official Synonym Full Names	L1 cell adhesion molecule
NCBI Official Symbol	L1CAM
NCBI Official Synonym Symbols	S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1
NCBI Protein Information	neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1
UniProt Protein Name	Neural cell adhesion molecule L1
UniProt Gene Name	L1CAM
UniProt Synonym Gene Names	CAML1; MIC5; N-CAM-L1; NCAM-L1
UniProt Entry Name	L1CAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.