

## 36-2697: Anti-CD171 / NCAM-L1 (L1 Cell Adhesion Molecule) Monoclonal Antibody(Clone: SPM275)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM275
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	L1CAM
<b>Gene ID :</b>	3897
<b>Uniprot ID :</b>	P32004
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Homogenous suspension of 16-week human fetal brain

### 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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Frozen) (1-2ug/ml for 30 min at RT

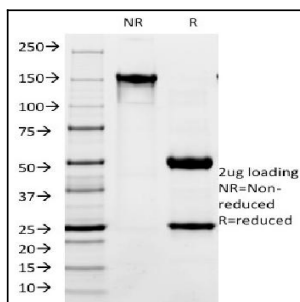


Fig. 1: SDS-PAGE Analysis Purified CD171 Mouse Monoclonal Antibody (SPM275). Confirmation of Integrity and Purity of Antibody.