

Product datasheet for **AM33300PU-S**

L1CAM Mouse Monoclonal Antibody [Clone ID: UJ127]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UJ127
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen Sections: 1-2 µg/ml for 30 minutes at RT. Positive Control: Neuroblastomas or Schwannomas.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Homogenous suspension of 16 week Human fetal brain.
Specificity:	Recognizes a cell surface protein of 220-240kDa, identified as L1 Cell Adhesion Molecule. This Monoclonal Antibody 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. Cellular Localization: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.



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Stability: Shelf life: one year from despatch.

Predicted Protein Size: 220-240 kDa

Gene Name: L1 cell adhesion molecule

Database Link: [Entrez Gene 3897 Human P32004](#)

Background: 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.

Synonyms: N-CAM L1, CAML1, MIC5