

Mouse L1-Cell Adhesion Molecule ELISA Kit | L1CAM elisa kit

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CATALOG #
AAA95963

REACTIVITY
Mouse

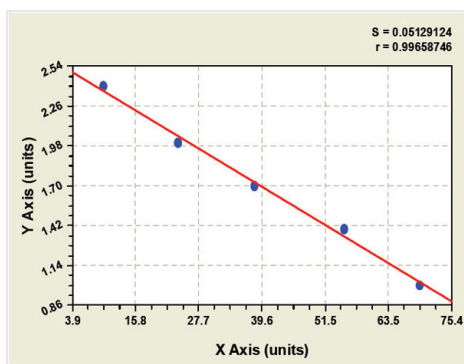
PRODUCT SYNONYMS

L1-Cell Adhesion Molecule; Mouse L1-Cell Adhesion Molecule ELISA Kit; L1CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This L1CAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse L1CAM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for L1CAM elisa kit

Principle of the assay: L1CAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-L1CAM antibody and an L1CAM-HRP conjugate. The assay sample and buffer are incubated together with L1CAM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the L1CAM concentration since L1CAM from samples and L1CAM-HRP conjugate compete for the anti-L1CAM antibody binding site. Since the number of sites is limited, as more sites are occupied by L1CAM from the sample, fewer sites are left to bind L1CAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The L1CAM concentration in each sample is interpolated from this standard curve.

Product Categories/Family for L1CAM elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	19388023
NCBI GeneID	3897
Molecular Weight	138,908 Da
NCBI Official Full Name	L1CAM protein, partial
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.

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Online datasheet: <https://stage.aaabiotech.com/l1cam-mouse-elisa-kits/l1-cell-adhesion-molecule/95963>