

Mouse Neural Cell Adhesion Molecule L1 (L1CAM) ELISA Kit | L1CAM elisa kit

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CATALOG #
AAA332418

REACTIVITY
Mouse

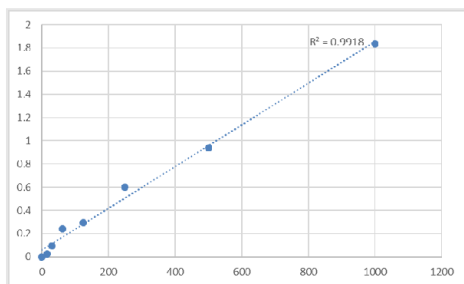
PRODUCT SYNONYMS

Neural Cell Adhesion Molecule L1 (L1CAM); Mouse Neural Cell Adhesion Molecule L1 (L1CAM) ELISA Kit; L1CAM; CAML1; CD171; HSAS; HSAS1; MASA; MIC5; N-CAML1; S10; SPG1; OTTHUMP00000025992; OTTHUMP00000063091; antigen identified by monoclonal antibody R1; neural cell adhesion molecule L1; L1CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Neural cell adhesion molecule L1 (L1CAM) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse L1CAM. No significant cross-reactivity or interference between Mouse L1CAM and analogues was observed.
Sequence Length	1260
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Neural cell adhesion molecule L1 (L1CAM) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for L1CAM elisa kit	Description: This Mouse Neural cell adhesion molecule L1 (L1CAM) ELISA Kit employs a two-site sandwich ELISA to quantitate L1CAM in samples. An antibody specific for L1CAM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any L1CAM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for L1CAM is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of L1CAM bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: L1, also known as L1CAM, is a transmembrane protein; it is a neuronal cell adhesion molecule, member of the L1 protein family, of 200-220 kDa, and involved in axon guidance and cell migration with a strong implication in treatment-resistant cancers. L1CAM has also been designated CD171. The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin superfamily of proteins. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration, and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115558
NCBI GeneID	16728
UniProt Accession #	P11627
NCBI Official Full Name	Neural cell adhesion molecule L1
NCBI Official Synonym Full Names	L1 cell adhesion molecule
NCBI Official Symbol	L1cam
NCBI Official Synonym Symbols	L1; CD171; NCAM-L1; N-CAM-L1
NCBI Protein Information	neural cell adhesion molecule L1
UniProt Protein Name	Neural cell adhesion molecule L1
UniProt Gene Name	L1cam
UniProt Synonym Gene Names	Caml1; N-CAM-L1; NCAM-L1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/neural-cell-adhesion-molecule-l1-l1cam/332418>