

Human L1-Cell Adhesion Molecule (L1CAM) ELISA Kit | L1CAM elisa kit

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CATALOG #
AAA20652

REACTIVITY
Human

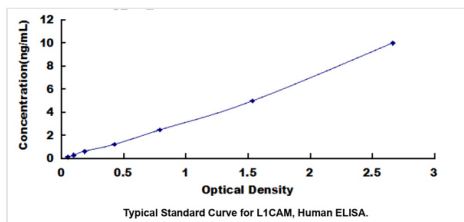
PRODUCT SYNONYMS

L1-Cell Adhesion Molecule (L1CAM); Human L1-Cell Adhesion Molecule (L1CAM) ELISA Kit; CD171; L1-CAM; CAML1; HSAS; HSAS1; MASA; MIC5; N-CAML1; S10; SPG1; Antigen Identified By Monoclonal Antibody R1; L1CAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of L1CAM. No significant cross-reactivity or interference between L1CAM and analogues was observed.
Sequence Length	1,248
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level L1CAM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level L1CAM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for L1CAM elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to L1CAM. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to L1CAM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain L1CAM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of L1CAM in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of L1CAM in human serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for L1CAM elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Neuroscience
References	Expression of L1CAM in curettage or high L1CAM level in preoperative blood samples predicts lymph node metastases and poor outcome in endometrial ...; IL Tangen

NCBI AND UNIPROT INFORMATION

NCBI GI #	187951475
NCBI GeneID	3897
UniProt Accession #	P32004; Q8TA87; A0AV65; A4ZYW4; B2RMU7; G3XAF4
Molecular Weight	138,908 Da
NCBI Official Full Name	L1 cell adhesion molecule
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
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.