

Human L1 cell adhesion molecule ELISA Kit | L1CAM elisa kit

Human Neural cell adhesion molecule ligand 1, NCAM-L1 ELISA Kit

CATALOG #
AAA79682

REACTIVITY
Human

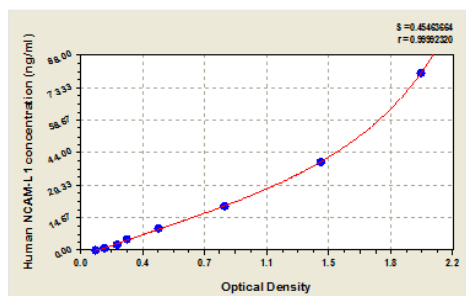
PRODUCT SYNONYMS

L1 cell adhesion molecule; Human Neural cell adhesion molecule ligand 1; NCAM-L1 ELISA Kit; 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NCAM-L1. No significant cross-reactivity or interference between human NCAM-L1 and analogues was observed.
Sequence Length	1257
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	1.25 ng/ml -80 ng/ml.
Sensitivity	The minimum detectable dose of human NCAM-L1 is typically less than 0.31 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for L1CAM elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NCAM-L1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NCAM-L1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NCAM-L1 is added to the wells. After washing, avidin 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 NCAM-L1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557707
NCBI GeneID	3897
NCBI Accession #	NP_000416.1
NCBI GenBank Nucleotide #	NM_000425.4
UniProt Accession #	P32004; Q8TA87; A0AV65; A4ZYW4; B2RMU7; G3XAF4
Molecular Weight	140,003 Da
NCBI Official Full Name	neural cell adhesion molecule L1 isoform 1
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.