

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

Human L1-Cell Adhesion Molecule (L1CAM) ELISA Kit

CATALOG #  
**AAA216707**

REACTIVITY  
**Human**

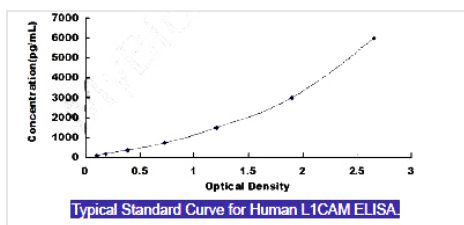
### PRODUCT SYNONYMS

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 rtu 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         | 1257                                                                                                                                                                                                                                                                                                                                                |
| Samples                 | Serum, plasma, tissue homogenates or other biological fluids                                                                                                                                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 93.7-6000pg/mL                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | < 32.15pg/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 | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for L1CAM rtu elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of L1CAM in human serum, plasma, tissue homogenates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to L1CAM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.</p> |
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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                 | 138,908 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                                             |
| UniProt Protein Name             | Neural cell adhesion molecule L1                                             |
| UniProt Gene Name                | L1CAM                                                                        |
| UniProt Synonym Gene Names       | CAML1; MIC5; 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.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/l1-cell-adhesion-molecule-l1cam/216707>