

Active Recombinant Human L1CAM Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. L1CAM-485HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant human L1CAM (Accession # CAA42508) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Form	Lyophilized
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When 5×10^4 cells/well are added to recombinant Human L1CAM Fc Chimera coated plates (25 µg/mL with 100 µL/well), > 30% will adhere for 1 hour incubation at 37 centigrade. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human L1CAM, Fc Chimera has a calculated MW of 150.4 kDa (monomer) & 55.9 kDa (truncated). In SDS-PAGE migrates as 210-225 kDa, reducing conditions.
N-terminal Sequence Analysis	Ile 20 & Arg 864
Purity	> 90 % by SDS-PAGE and analyzed by silver stain

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	L1CAM L1 cell adhesion molecule [Homo sapiens]
Official Symbol	L1CAM
Synonyms	L1CAM; L1 cell adhesion molecule; antigen identified by monoclonal R1 , HSAS, HSAS1, MASA, MIC5, S10, SPG1; neural cell adhesion molecule L1; CD171; antigen identified by monoclonal R1; S10; HSAS; MASA; MIC5; SPG1; CAML1; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1;
Gene ID	3897
mRNA Refseq	NM_000425
Protein Refseq	NP_000416

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MIM	308840
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UniProt ID	P32004
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