

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

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

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant human L1CAM (Accession # CAA42508) was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. When $5 \times 10^4$ cells/well are added to recombinant Human L1CAM Fc Chimera coated plates (25 $\mu\text{g}/\text{mL}$ with 100 $\mu\text{L}/\text{well}$ ), > 30% will adhere for 1 hour incubation at 37 centigrade. Optimal dilutions should be determined by each laboratory for each application.
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence Analysis</b>	Ile 20 & Arg 864
<b>Purity</b>	> 90 % by SDS-PAGE and analyzed by silver stain

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>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.</p>
<b>Storage</b>	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).
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.
<b>Conjugation</b>	Alexa Fluor 555
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">L1CAM L1 cell adhesion molecule [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">L1CAM</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3897</a>
<b>mRNA Refseq</b>	<a href="#">NM_000425</a>
<b>Protein Refseq</b>	<a href="#">NP_000416</a>

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<b>MIM</b>	308840
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<b>UniProt ID</b>	P32004
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