

Active Recombinant Mouse L1cam Protein, Fc-tagged

Cat. No. L1cam-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse L1CAM (Met1-Glu1123) with a Phe176Leu Substitution fused with a Human IgG1 (Pro100-Lys330) at C-terminus was expressed in Mouse myeloma cell line NS0.
Species	Mouse
Source	Mouse myeloma cell
ProteinLength	1-1123 a.a.
Description	Biased expression in CNS E18 (RPKM 43.2), whole brain E14.5 (RPKM 35.1) and 12 other tissues.
Form	Disulfide-linked homodimer
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells. Recombinant Mouse L1CAM Fc Chimera immobilized at 2.5 µg/mL with 100 µL/well will induce >40% cell adhesion. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	150.5 kDa
N-terminal Sequence Analysis	Ile20

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE under reducing conditions and visualized by silver stain.
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in MES and NaCl.
Reconstitution	Reconstitute at 200 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	L1cam L1 cell adhesion molecule [<i>Mus musculus</i> (house mouse)]
Official Symbol	L1cam
Synonyms	L1cam; L1 cell adhesion molecule; L; L1; L1-N; NCAM; CD171; NCAM-L1; N-CAM-L1; neural cell adhesion molecule L1
Gene ID	16728
mRNA Refseq	NM_008478
Protein Refseq	NP_032504

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UniProt ID

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