

Active Recombinant Mouse Intercellular Adhesion Molecule 5, Telencephalin, Fc-tagged

Cat. No. Icam5-5641M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Icam5 protein was expressed in Murine myeloma cell line with the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and Mouse Icam5 Leu31-Arg828(Pro47Arg) (N-terminus).
Species	Mouse
Source	Mammalian Cells
Protein Length	31-828 a.a.
Description	Icam5 is an integral membrane glycoprotein expressed in neurons of mammalian telencephalons. Icam5 is a member of the immunoglobulin superfamily and shares 38-55% amino acid homology with other ICAMs. Structurally, Icam5 contains nine Ig domains that included 15 N-glycosylation sites, a single transmembrane region, and C-terminal cytoplasmic tail. As with other members of the ICAM family, Icam5 has been shown to be involved in cellular adhesion.
Form	Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.
N-terminal Sequence	Leu31
Molecular Weight	112 kDa (monomer)
Activity	Measured by the ability of the immobilized protein to support the adhesion of PMA-

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stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When 5×10^4 cells/well are added to rh Icam5/FcChimera coated plates (25 $\mu\text{g/mL}$ with 100 $\mu\text{L/well}$), > 25% cells will adhere after 1 hour incubation at 37°C .

Endotoxin Level <1.0EU per $1\mu\text{g}$ of the protein by the LAL method.

SDS-PAGE 166 kDa, reducing conditions.

Purity >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Reconstitution 400 $\mu\text{g/mL}$ in sterile PBS

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name Icam5 intercellular adhesion molecule 5, telencephalin [*Mus musculus*]

Official Symbol Icam5

Synonyms Icam5; intercellular adhesion molecule 5, telencephalin; TLN; CD50; Tlcn; Icam3; ICAM-3; intercellular adhesion molecule 5; ICAM-5; telencephalin; intercellular adhesion molecule 3

Gene ID 15898

mRNA Refseq NM_008319

Protein Refseq NP_032345

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UniProt ID	Q60625
Chromosome Location	9
Function	protein binding

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