

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

Cat. No. ICAM5-5642H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICAM5 protein was expressed in Murine myeloma cell line with the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and Human ICAM5 Ala28-Glu570(N-terminus).
Species	Human
Source	Mammalian Cells
Protein Length	28-570 a.a.
Description	ICAM5 is a cell surface glycoprotein belonging to the immunoglobulin superfamily. Human ICAM5 consists of an 832 amino acid (aa) extracellular domain containing 9 immunoglobulin (Ig) domains and 15 N-glycosylation sites, a 28aa transmembrane domain, and a 64 aa cytoplasmic domain. ICAM5 shares 38-55% aa identity with other ICAMs, being most closely related to ICAM-1 (50% identity) and ICAM-3 (55% identity). Human and mouse ICAM5 share 85% aa identity.
Form	Lyophilized from a 0.2 um filtered solution in PBS.
N-terminal Sequence	Ala28
Molecular Weight	85.1 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 rhICAM5/Fc Chimeracoated plates (25 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$), approximately 25-40% will adhere after 1 hour incubation at 37°C.

Endotoxin Level <1.0EU per 1 μg of the protein by the LAL method.

SDS-PAGE 125-130kDa, 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 [Homo sapiens]

Official Symbol ICAM5

Synonyms ICAM5; intercellular adhesion molecule 5, telencephalin; TLN; TLCN; intercellular adhesion molecule 5; ICAM-5; telencephalin

Gene ID 7087

mRNA Refseq NM_003259

Protein Refseq NP_003250

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MIM	601852
UniProt ID	Q60625
Chromosome Location	19p13.2

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