Active Recombinant Human ICAM1

Cat. No. ICAM1-89H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICAM1 (Met1-Glu480) was expressed in Mouse NSO Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-480 a.a.
Description	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.
Predicted N Terminal	Predicted Gln28
Form	Lyophilized from a 0.2 μm filtered solution in PBS, containing Calcium and Magnesium with Sorbitol and Trehalose.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When 5 x 104 cells/well are added to Recombinant Human ICAM 1/CD54 coated plates (12.5 μg/mL with 100 μL/well), >30% cells will adhere after 1 hour incubation at 37 °C. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Predicted Molecular Mass: 50 kDa SDS-PAGE: 70-90 kDa, reducing conditions

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Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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.
Reconstitution	Reconstitute at 400 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name	ICAM1 intercellular adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	ICAM1
Synonyms	ICAM1; BB2; CD54; P3.58; intercellular adhesion molecule 1; intercellular adhesion molecule 1; ICAM-1; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
Gene ID	3383
mRNA Refseq	NM_000201
Protein Refseq	NP_000192
MIM	147840
UniProt ID	P05362
Chromosome Location	19p13.3-p13.2

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Pathway	Adaptive Immune System; African trypanosomiasis; Cell adhesion molecules (CAMs)
Function	integrin binding; receptor activity; transmembrane signaling receptor activity

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