

Active Recombinant Human ICAM1, Fc-tagged

Cat. No. ICAM1-146H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD54 [ICAM-1] (aa 28-480) is fused to the N-terminus of the Fc region of a mutant human IgG1.
Species	Human
Source	CHO
ProteinLength	28-480 a.a.
Description	Intercellular Adhesion Molecule-1 (ICAM-1, CD54) binds the leukocyte integrins LFA-1 and Mac1. CD54 expression is weak on leukocytes, epithelial and resting endothelial cells, as well as some other cell types, but expression can be stimulated by IFN- γ , TNF- α , IL-1 β and LPS. Soluble CD54 is found in a biologically active form in serum, probably as a result of proteolytic cleavage from the cell surface, and is elevated in patients with various inflammatory syndromes such as septic shock, LAD, cancer and transplantation.
Form	Lyophilized from 0.2 μ m-filtered solution in PBS.
Bio-activity	Shows the biological function of the CD54 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.
Purity	$\geq 98\%$ (SDS-PAGE)
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are

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stable for up to 3 months when stored at -20°C.

Storage Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name ICAM1 intercellular adhesion molecule 1 [Homo sapiens]

Official Symbol ICAM1

Synonyms ICAM1; intercellular adhesion molecule 1; BB2; CD54; human rhinovirus receptor; ICAM-1; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; P3.58;

Gene ID 3383

mRNA Refseq NM_000201

Protein Refseq NP_000192

MIM 147840

UniProt ID P05362

Chromosome Location 19p13.3-p13.2

Pathway Adaptive Immune System, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cytokine Signaling in Immune system, organism-

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specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;

Function

cell surface binding; integrin binding; protein binding; receptor activity; transmembrane signaling receptor activity;

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