

Datasheet for ABIN7566121

ICAM1 Protein (AA 28-485) (Fc Tag)



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Overview

Quantity:	50 µg
Target:	ICAM1
Protein Characteristics:	AA 28-485
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICAM1 protein is labelled with Fc Tag.

Product Details

Purpose:	CD54 [ICAM-1] (mouse):Fc (mouse) (rec.) (non-lytic)
Cross-Reactivity:	Mouse
Characteristics:	The extracellular domain of mouse CD54 [ICAM-1] (aa 28-485) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.06EU/µg protein (LAL test, Lonza).
Biological Activity Comment:	Shows the biological function of the CD54 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.

Target Details

Target:	ICAM1
Alternative Name:	CD54 [ICAM-1] (ICAM1 Products)
Background:	<p>ICAM1, Intercellular Adhesion Molecule 1</p> <p>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-gamma, TNF-alpha, IL-1beta 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.</p>
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis , Regulation of Leukocyte Mediated Immunity , Thromboxane A2 Receptor Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>