

Datasheet for ABIN6253322

## 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
Purification tag / Conjugate:	This ICAM1 protein is labelled with Fc Tag.

### Product Details

Purpose:	CD54 [ICAM-1] (mouse):Fc (mouse) (rec.) (non-lytic)
Specificity:	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.
Characteristics:	Protein. 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. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). 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.

## Product Details

Purity:	>98 % (SDS-PAGE)
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] ( <a href="#">ICAM1 Products</a> )
Target Type:	Viral Protein
Background:	<p>Alternate Names/Synonyms: ICAM1, Intercellular Adhesion Molecule 1</p> <p>Product 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-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:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C

Long Term Storage: -20°C

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.