

Recombinant Rabbit Intercellular Adhesion Molecule 1 (ICAM1), N-His-SUMO

Cat. No.: AP4C437

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Rabbit Intercellular Adhesion Molecule 1 (ICAM1), N-His-SUMO is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 40.5 kDa. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	40.5 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Rabbit Intercellular Adhesion Molecule 1 (ICAM1) is a critical cell surface glycoprotein that mediates cell-to-cell interactions, particularly in immune responses and inflammation. It is expressed on various cell types, including endothelial and immune cells, and is upregulated during inflammation. ICAM1 is essential for leukocyte adhesion and transendothelial migration, guiding immune cells to sites of inflammation. In rabbits, ICAM1 has been studied in the context of inflammation and immune cell trafficking. It also plays a role in maintaining endothelial and epithelial barrier functions by interacting with the actin cytoskeleton. Additionally, ICAM1 is involved in the resolution of inflammation and tissue repair, contributing to processes like macrophage-mediated clearance of apoptotic cells. Its versatile functions make ICAM1 a potential target for therapeutic interventions in inflammatory and immune-related disorders.

Protein	Rabbit Intercellular Adhesion Molecule 1 (ICAM1)
Protein Synonym	ICAM1
Gene ID	100345640

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.