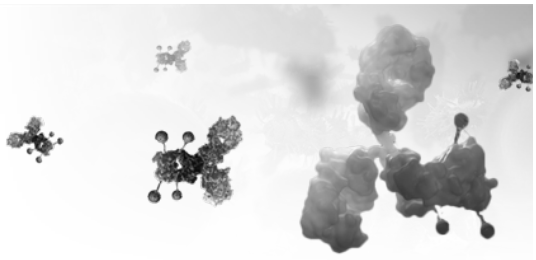

Recombinant Rhesus Macaque ICAM-1 Protein [Fc] (DAGC659)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Intercellular adhesion molecule 1 is produced by our Mammalian expression system and the target gene encoding Gln28-Glu480 is expressed with a Fc tag at the C-terminus.
Species	Rhesus Macaque
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Conjugate	Fc
Applications	SDS-PAGE
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ug/mL. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Format	Lyophilized
Size	10 μg
Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Preservative	None
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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BACKGROUND

Introduction	Intercellular adhesion molecule 1 (ICAM1) is known as CD54. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. The endothelial expression of ICAM-1 is increased in atherosclerotic and transplant-associated atherosclerotic tissue and animal models of atherosclerosis. Additionally, ICAM-1 has been implicated in the progression of autoimmune diseases. ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation.
Keywords	Intercellular adhesion molecule 1; ICAM1; ICAM-1; CD54

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