

ICAM1

Recombinant Human Intercellular Adhesion Molecule 1/CD54 (aa 28-483) His

Catalog No.	CRI123A CRI123B CRI123C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54 antigen, ICAM1, BB2, CD54, P3.58.		
Description:	<p>ICAM-1 also called CD54 is a single chain membrane glycoprotein expressed on the surface of a variety of non-haematopoietic and haematopoietic cell types and has roles in signal transduction, cell signaling and lymphocyte adhesion. ICAM1 binds to integrins such as CD11a / CD18, or CD11b / CD18. ICAM1 is also used by Rhinovirus as a receptor. ICAM-1 is an intercellular adhesion molecule constantly present in low concentrations in the membranes of leukocytes and endothelial cells. When stimulated by cytokine the concentrations significantly increase. ICAM-1 can be stimulated by interleukin-1 (IL-1) and tumor necrosis factor alpha (TNFα) and is expressed by the vascular endothelium, macrophages and lymphocytes. ICAM-1 is a ligand for LFA-1 which is a receptor found on leukocytes. Upon activation, leukocytes bind to endothelial cells via ICAM-1/LFA-1 and then transmigrate into tissues.</p> <p>ICAM-1 is implicated in subarachnoid hemorrhage (SAH). Levels of ICAM-1 are shown to be notably elevated in patients with SAH.</p> <p>Soluble ICAM-1 is detectable in the plasma and is elevated in patients with various inflammatory conditions.</p> <p>ICAM-1 Human Recombinant is expressed in <i>E. coli</i> containing 455 amino acids 28-483 fused to an amino terminal hexahistidine tag.</p> <p>The ICAM-1 is purified by proprietary chromatographic techniques.</p>		
GeneID:	3383		
Source:	<i>E. coli</i>		
Formulation:	ICAM-1 is supplied (0.2mg/ml) in PBS + 50% Glycerol + 2 mM Imidazole.		
Purity:	Greater than 95% as determined by SDS-PAGE.		
Physical Appearance:	Sterile Filtered clear solution.		
Application:	<p>ICAM-I can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments.</p> <p>The biological activity of this product has not yet been tested.</p>		
Storage & Stability:	<p>Store at 4°C if entire vial will be used within 1-2 weeks.</p> <p>Store, frozen at -20°C for longer periods of time.</p> <p>Avoid multiple freeze-thaw cycles.</p>		

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