

ICAM-4 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76392
Synonyms:	Intercellular adhesion molecule 4 isoform 3; ICAM4; CD242
Species:	Human
Source:	HEK293
Accession:	U5U6P8 (A23-G272)
Gene ID:	3386
Molecular Weight:	Approximately 55&33 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Intercellular adhesion molecule 4 isoform 3 is expressed on RBCs, erythroid precursor cells, and on other blood cells including T and B cells. Intercellular adhesion molecule 4 isoform 3 belongs to the immunoglobulin superfamily (IgSF) consisting of five members designated ICAM1 to ICAM5. Intercellular adhesion molecule 4 isoform 3 is part of the Rh macromolecular complex consisting of Rh polypeptides (RhD and RhCE) and the Rh-associated glycoprotein (RhAG). Intercellular adhesion molecule 4 isoform 3 maintains close contact between the RBC surface and vascular endothelium and also plays a role in various normal and pathologic conditions, including erythropoiesis and microvascular occlusions during painful crises of sickle cell disease, respectively. Intercellular adhesion molecule 4 isoform 3 encodes the Landsteiner-Wiener (LW) blood group antigen(s) that belongs to the immunoglobulin (Ig) superfamily, and that shares similarity with the intercellular adhesion molecule (ICAM) protein family. Intercellular adhesion molecule 4 isoform 3 contains 2 Ig-like C2-type domains and binds to the leukocyte adhesion LFA-1 protein^{[1][2][3]}.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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