

ICAM-3/CD50 Protein, Human (HEK293, His-Fc)

Cat. No.:	HY-P74872
Synonyms:	Intercellular adhesion molecule 3; ICAM-3; CDw50; ICAM-R; CD50
Species:	Human
Source:	HEK293
Accession:	P32942 (M1-H485)
Gene ID:	3385
Molecular Weight:	125-135 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	ICAM-3/CD50 Protein serves as a ligand for the leukocyte adhesion proteins LFA-1 (integrin alpha-L/beta-2) and integrin alpha-D/beta-2, implicating its involvement in cellular adhesion processes. When associated with integrin alpha-L/beta-2, ICAM-3 plays a contributory role in apoptotic neutrophil phagocytosis by macrophages, suggesting a potential role in the regulation of immune responses and clearance of apoptotic cells. Additionally, ICAM-3 interacts with moesin/MSN, indicating its participation in protein-protein interactions that may influence cellular signaling or structural organization. The multifaceted interactions of ICAM-3 underscore its significance in the intricate network of cellular adhesion and immune-related processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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