

ICAM-2/CD102 Protein, Mouse (200a.a, HEK293, Fc)

Cat. No.:	HY-P72620
Synonyms:	Intercellular adhesion molecule 2; ICAM-2; CD102
Species:	Mouse
Source:	HEK293
Accession:	P35330 (K23-Q222)
Gene ID:	15896
Molecular Weight:	70-90 kDa

PROPERTIES

AA Sequence	<p> K A F E V Y I W S E K Q I V E A T E S W K I N C S T N C A A P D M G G L E T P T N K I M L E E H P Q G K W K Q F L V S N V S K D T V F F C H F T C S G K Q H S E S L N I R V Y Q P P A Q V T L K L Q P P R V F V G E D F T I E C T V S P V Q P L E R L T L S L L R G R E T L K N Q T F G G A E T V P Q E A T A T F N S T A L K K D G L N F S C Q A E L D L R P H G G Y I I R S I S E Y Q I L E V Y E P M Q D N Q </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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>ICAM-2/CD102 protein emerges as a significant participant in cellular interactions, functioning as a ligand for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). Notably, ICAM-2 may contribute to lymphocyte recirculation by inhibiting LFA-1-dependent cell adhesion. Its involvement extends to mediating adhesive interactions crucial for various immune processes, including antigen-specific immune responses, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions vital for immune response and surveillance. The protein further interacts with RDX, EZR, and MSN, emphasizing its intricate associations in the cellular machinery that underlies immune regulation and surveillance.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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