

MD-2/LY96 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77081
Synonyms:	Lymphocyte antigen 96; Ly-96; ESOP-1
Species:	Mouse
Source:	HEK293
Accession:	Q9JHF9 (E19-N160)
Gene ID:	17087
Molecular Weight:	Approximately 47 kDa

PROPERTIES

AA Sequence	<pre> E K Q Q W F C N S S D A I I S Y S Y C D H L K F P I S I S S E P C I R L R G T N G F V H V E F I P R G N L K Y L Y F N L F I S V N S I E L P K R K E V L C H G H D D D Y S F C R A L K G E T V N T S I P F S F E G I L F P K G H Y R C V A E A I A G D T E E K L F C L N F T I I H R R D V N </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. When recombinant human TLR-4 is Immobilized at 2 µg/mL (100 µL/well), can bind Biotinylated MD-2. The ED ₅₀ for this effect is 1.491 µg/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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	IL-13R alpha 2, functioning as a monomer, exhibits a robust and specific binding affinity for interleukin-13 (IL13), distinguishing it from interleukin-4 (IL4), to which it does not bind. This selective interaction underscores IL-13R alpha 2's role in mediating cellular responses to IL13, emphasizing its importance in the context of IL13-related biological activities.
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Caution: Product has not been fully validated for medical applications. For research use only.

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