

ESAM Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74166
Synonyms:	Endothelial Cell-Selective Adhesion Molecule; ESAM
Species:	Mouse
Source:	HEK293
Accession:	Q925F2 (Q30-A251)
Gene ID:	69524
Molecular Weight:	Approximately 33-43 kDa due to the glycosylation

PROPERTIES

AA Sequence	<pre> Q M E L H V P P G L N K L E A V E G E E V V L P A W Y T M A R E E S W S H P R E V P I L I W F L E Q E G K E P N Q V L S Y I N G V M T N K P G T A L V H S I S S R N V S L R L G A L Q E G D S G T Y R C S V N V Q N D E G K S I G H S I K S I E L K V L V P P A P P S C S L Q G V P Y V G T N V T L N C K S P R S K P T A Q Y Q W E R L A P S S Q V F F G P A L D A V R G S L K L T N L S I A M S G V Y V C K A Q N R V G F A K C N V T L D V M T G S K A A </pre>
Biological Activity	Measured by its ability to chemoattract Jurkat Human T lymphocyte leukemia cells. The ED ₅₀ for this effect is 137.6 ng/mL, corresponding to a specific activity is 7.267×10 ³ U/mg.
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. 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	ESAM protein is capable of facilitating aggregation, likely through a homophilic molecular interaction. It has been observed to interact with MAGI1.
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Caution: Product has not been fully validated for medical applications. For research use only.

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