

CD150/SLAMF1 Protein, Human (HEK293, His)

Cat. No.:	HY-P7788
Synonyms:	rHuCD150, His; Signaling Lymphocytic Activation Molecule; CDw150; IPO-3; CD150; SLAMF1; SLAM
Species:	Human
Source:	HEK293
Accession:	Q13291 (A21-P237)
Gene ID:	6504
Molecular Weight:	38-60 kDa

PROPERTIES

AA Sequence	<pre> A S Y G T G G R M M N C P K I L R Q L G S K V L L P L T Y E R I N K S M N K S I H I V V T M A K S L E N S V E N K I V S L D P S E A G P P R Y L G D R Y K F Y L E N L T L G I R E S R K E D E G W Y L M T L E K N V S V Q R F C L Q L R L Y E Q V S T P E I K V L N K T Q E N G T C T L I L G C T V E K G D H V A Y S W S E K A G T H P L N P A N S S H L L S L T L G P Q H A D N I Y I C T V S N P I S N N S Q T F S P W P G C R T D P S E T K P H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, 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	<p>Signaling lymphocyte activation molecule (SLAM), also known as CD150, is the member of the CD2 protein family of immunoglobulin (Ig) domain-containing molecules and are expressed on the surface of a wide variety of hematopoietic cells. SLAM family members are now recognized as important immunomodulatory receptors with roles in cytotoxicity, humoral immunity, autoimmunity, cell survival, lymphocyte development, and cell adhesion. SLAM can act as a cellular receptor for both vaccine and wild-type strains of MV^{[1][2]}.</p>
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REFERENCES

- [1]. Cannons JL, et, al. SLAM family receptors and SAP adaptors in immunity. *Annu Rev Immunol.* 2011;29:665-705.
- [2]. Hashimoto K, et, al. SLAM (CD150)-independent measles virus entry as revealed by recombinant virus expressing green fluorescent protein. *J Virol.* 2002 Jul;76(13):6743-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA