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## Product Data Sheet

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Product Name: SLAMF1 Human, Sf9  
 Cat. No.: GP24602  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Signaling lymphocytic activation molecule; CDw150; IPO-3; CD150; SLAMF1; SLAM.		
Amino Acid Sequence	ADPASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN KSIHIVVTMA KLENSVENK IVSLDPSEAG PPRYLGDRYK FYLENLTLGI RESRKEDEGW YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK VLNKTQENGT CTLILGCTVE KGDHVAYSWS EKAGTHPLNP ANSSHLLSLTLGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP HHHHHH.		
Formulation	SLAMF1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

SLAMF1 is a member of the immunoglobulin gene superfamily and is involved in T-cell stimulation. The SLAMF1 protein is constitutively expressed on peripheral blood memory T cells, T-cell clones, immature thymocytes, and a fraction of B cells, and is swiftly induced on naive T cells after activation. There are probably 2 modes of SLAM signaling: one in which the inhibitor SH2D1A serves as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction functions.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SLAMF1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 226 amino acids (21-237a.a.) and having a molecular mass

**Caution: Product has not been fully validated for medical applications. For research use only.**

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of 25.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).SLAMF1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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