

**AR50707PU-S****Human CD150 / SLAMF1 (21-237, His-tag) - Purified****Alternate names:**

CDw150, Ipo-3, Signaling lymphocytic activation molecule, Slam

**Quantity:**

20 µg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

SLAMF1 belongs to the immunoglobulin gene superfamily and is involved in T-cell stimulation. This protein is constitutively expressed on peripheral blood memory T cells, T-cell clones, immature thymocytes, and a proportion of B cells, and is rapidly induced on naive T cells after activation. High-affinity for self-ligand is important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.

**Uniprot ID:**[Q13291](#)**NCBI:**[NP\\_003028](#)**GenelD:**[6504](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol**Description:**

Recombinant human SLAMF1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**AA Sequence:**

MGSSHHHHH SGLVPRGSH MGSASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN  
KSIHIVVTMA KLENSVENK IVSLDPSEAG PPRYLGDTRYK FYLENLTLGI RESRKEDEGW  
YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK VLNKTQENGT CTLILGCTVE KGDHVAYSWS  
EKAGTHPLNP ANSSHLLSLT LGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP

**Molecular weight:** 26.7 kDa (240aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Frecha,C., et al. (2011) J. Virol. 85 (12), 5975-5985 Jordan,M.A., et al. (2011) . Immunol. 186 (7), 3953-3965

Pictures:

