

**SLAMF1, 21-237aa, Human, His tag, E.coli**

**Cat.NO.: TP03957**

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3th Edition

**Synonyms:**signaling lymphocytic activation molecule precursor, CD150, CDw150, SLAM

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**Molecular Weight:**26.7kDa (240aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSASYGTGGRMMNCPKILRQLGSKVLLPLTYERINKSMNKSIHIVVTMAKSLEN  
SVENKIVSLDPSEAGPPRYLGDRYKFYLENLTLGIRESRKEDEGWYLMLEKNVSVQRFLQLRLYEQVSTPEIKVL  
NKTQENGTCTLILGCTVEKGDHVAYSWSEKAGTHPLNPANSSHLLSLTLGPQHADNIYICTVSNPISNNSQTFSPWP  
GCRTDPSETKP

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.