

Product Name: Recombinant Mouse SLAMF1 (C-6His)
Catalog #: PHM1526

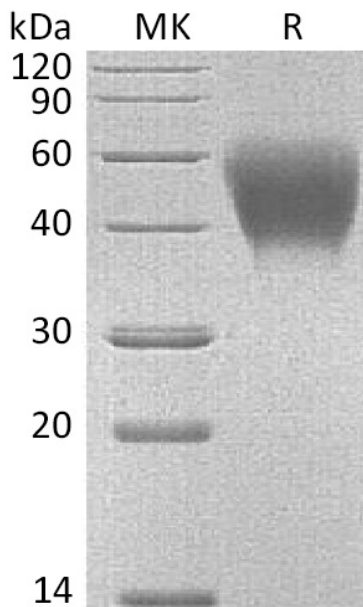


Summary

Name	SLAMF1/CD150/SLAM/Signaling lymphocytic activation molecule
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Signaling Lymphocytic Activation Molecule is produced by our Mammalian expression system and the target gene encoding Thr25-Pro242 is expressed with a 6His tag at the C-terminus.
Accession #	Q9QUM4
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	25.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

signaling lymphocytic activation molecule; SLAM family member 1; CD150 antigen; CD150; SLAMF1; SLAM

Background

Signaling lymphocyte activation molecule (SLAM), is a self-ligand glycoprotein which exists not only found on the surface of activated and memory T cells, but also on the surface of activated B cells, dendritic cells, and macrophages. SLAM consists of a extracellular domain (ECD) with two Ig-like domains, transmembrane segment, and cytoplasmic domain with three immunoreceptor tyrosine switch motifs (ITSM). SLAM is thought to play an important role in adhesion between T cells and APCs and has been shown to act as a coreceptor in TCR-dependent responses. SLAM, together with CD46, is one of the two receptors for measles virus. SLAM is a cell surface receptor that, like the B cell receptor, CD40, and CD95, can transmit positive or negative signals. SLAM can associate with the SH2-containing inositol phosphatase (SHIP), the SH2-containing protein tyrosine phosphatase (SHP-2), and the adaptor protein SH2 domain protein 1A. It's upregulated on activated B cells and CD4⁺ and CD8⁺ T cells, but downregulated on Th2 polarized cells. Also, it can Inhibits antigen receptor-mediated production of IFN-gamma, but not IL-2, in CD4⁻/CD8⁻ T-cells.

Note

For Research Use Only , Not for Diagnostic Use.