



# Recombinant Protein Technical Manual

**Recombinant Mouse SLAMF8 Protein (His Tag)(Active)**  
RPES0730

## Product Data:

**Product SKU:** RPES0730

**Size:** 50µg

**Species:** Mouse

**Expression host:** HEK293 Cells

**Uniprot:** NP\_083360.2

## Protein Information:

**Molecular Mass:** 24.8 kDa

**AP Molecular Mass:** 33-38 kDa

**Tag:** C-His

**Bio-activity:** Measured by its ability to bind biotinylated mouse SLAMF8 in a functional ELISA.

**Purity:** > 80 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**Synonyms:** SLAM family member 8; B-lymphocyte activator macrophage expressed; CD353; Slamf8; Blame; SBBI42

## Immunogen Information:

**Sequence:** Met 1-Asp 231

## Background:

The signaling lymphocyte activation molecule (SLAM) family includes homophilic and heterophilic receptors that modulate both adaptive and innate immune responses. These receptors share a common ectodomain organization: a membrane-proximal immunoglobulin constant domain and a membrane-distal immunoglobulin variable domain that is responsible for ligand recognition. SLAM family of receptors is expressed by a wide range of immune cells. Through their cytoplasmic domain, SLAM family receptors associate with SLAM-associated protein (SAP)-related molecules, a group of cytoplasmic adaptors composed almost exclusively of an SRC homology 2 domain. SLAM family receptors, in association with SAP family adaptors, have crucial roles during normal immune reactions in innate and adaptive immune cells. Mouse SLAM family member 8, also known as B-lymphocyte activator macrophage expressed, BCM-like membrane protein, SLAMF8 and BLAME, is a single-pass type I membrane protein. It contains one Ig-like C2-type (immunoglobulin-like) domain. SLAMF8 / BLAME is expressed in lymph node, spleen, thymus and bone marrow. It may play a role in B-lineage commitment and/or modulation of signaling through the B-cell receptor.