



Recombinant Protein Technical Manual

Recombinant Mouse SLAMF8 Protein (His Tag)

RPES3008

Product Data:

Product SKU: RPES3008

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q9D3G2

Protein Information:

Molecular Mass: 24.2 kDa

AP Molecular Mass: 32-38 kDa

Tag: C-6His

Bio-activity:

Purity: > 80 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

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

Immunogen Information:

Sequence: Val21-Asp231

Background:

Mouse SLAM family member 8/SLAMF8 is a single-pass type I membrane protein. It contains one Ig-like C2-type domain. SLAMF8 is expressed in lymphnode, spleen, thymus and bone marrow. 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. It may play a role in B-lineage commitment and/or modulation of signaling through the B-cell receptor.