



Recombinant Protein Technical Manual

Recombinant Human SLAMF6/Ly108 Protein (aa 1-226, His Tag)(Active)

RPES4564

Product Data:

Product SKU: RPES4564

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: Q96DU3

Protein Information:

Molecular Mass: 24.3 kDa

AP Molecular Mass: 38-40 kDa

Tag: C-His

Bio-activity: Measured by its ability to bind biotinylated recombinant human SH2D1A in a functional ELISA.

Purity: > 90 % as determined by reducing 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 sterile PBS, pH 7.4

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

Application: Functional ELISA

Synonyms: SLAM Family Member 6; Activating NK Receptor; NK-T-B-Antigen; NTB-A; CD352; SLAMF6; KALI; Ly108; NTBA; SF2000

Immunogen Information:

Sequence: Met 1-Met 226

Background:

SLAM family member 6, also known as Activating NK receptor, NK-T-B-antigen, NTB-A, SLAMF6, KALI and Ly108, is a single-pass type I membrane protein which belongs to the CD2 subfamily of the immunoglobulin superfamily. SLAMF6 / Ly108 contains one Ig-like (immunoglobulin-like) domain. It is expressed by all (resting and activated) natural killer cells (NK), T- and B-lymphocytes. SLAMF6 / Ly108 triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. SLAMF6 / Ly108 is a homodimer. It interacts with PTN6 and, upon phosphorylation, with PTN11 and SH2D1A/SAP. SLAMF6 / Ly108 undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It may function as a coreceptor in the process of NK cell activation. SLAMF6 / Ly108 can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients.