Recombinant Human SLAMF6/Ly108 Protein (aa 22-225, Fc Tag)

Catalog No. PKSH033063

Note: Centrifuge before opening to ensure complete recovery of vial contents.

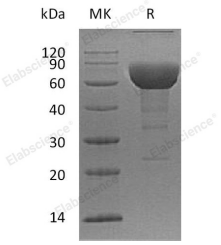
Description

Synonyms	SLAM Family Member 6;Activating NK Receptor;NK-T-B-Antigen;NTB-A;CD352;SLAMF6;KALI;Ly108;NTBA;SF2000
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln22-Lys225
Accession	Q96DU3
Calculated Molecular Weight	49.6 kDa
Observed molecular weight	55-65 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

SLAM Family Member 6 (SLAMF6) is a single-pass type I membrane protein that belongs to the SLAM subgroup of the

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CD2 family. Human SLAMF6/ NTB-A contains a 205 amino acid extracellular domain (ECD) with one Ig-like V-set and one Ig-like C2-set domain; a 21 amino acid transmembrane segment and an 84 amino acid cytoplasmic domain; with two immunoreceptor tyrosine-based switch motifs. SLAMF6 is a homodimer. SLAMF6 can interact with PTN6 and; upon phosphorylation; with PTN11 and SH2D1A/SAP. Phosphorylation-dependent NTB-A association with SAP is required for full production of IFN-γ by NK cells and independent of EAT-2 binding. It Triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. On B cells; NTB-A modulates immunoglobulin class switching and the balance between tolerance and autoimmunity.

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