Human SLAMF6 / Ly108 Protein (Fc Tag)

Catalog Number: **11945-H02H**

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CD352; KALI; KALIb; Ly108; NTB-A; NTBA; SF2000; KAL1; KAL1b; Ly108; NTB-A; NTBA; SF2000

Protein Construction:

A DNA sequence encoding the human SLAMF6 (Q96DU3-1) (Met1-Met226) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: (97.5+1.3) % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Gln 22

Molecular Mass:

The recombinant human SLAMF6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 446 amino acids and has a predicted molecular mass of 50.1 kDa. The apparent molecular mass of the protein is approximately 63-68 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

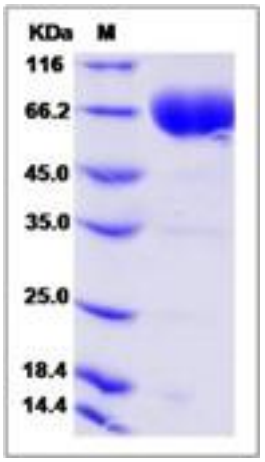
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

References

1.Gray CW. et al., 2000, Eur J Biochem. 267 (18): 5699-710.
2.Bottino C. et al., 2001, J Exp Med. 194 (3): 235-46.
3.Valdez PA. et al., 2004, J Biol Chem. 279 (18): 18662-9.