

SLAMF6 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	CD352;NTB-A;NTBA;KAL1b;Ly108;KALI;SLAM family member 6;SF2000
Protein Construction:	Gln22-Met226
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q96DU3-1
Molecular Weight:	49.8 kDa (Predicted); 60-75 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human SLAMF6, hFc Tag at 0.2 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-SLAMF6 Antibody, hFc Tag with the EC50 of 16.1 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

SLAMF6 (signaling lymphocyte activation molecule 6) (Ly108 in mice, NTB-A or SF2000 in humans) is a homophilic receptor belonging to the superfamily immunoglobulin (Ig) domain-containing molecules. It is known to be widely and exclusively expressed on hematopoietic cells. The SLAMF6 intracellular portion is characterized by two ITSMs that act as binding sites for adaptor molecules such as SAP and EAT-2.

Reference

- Gray CW. et al., 2000, Eur J Biochem. 267 (18): 5699-710.
Bottino C. et al., 2001, J Exp Med. 194 (3): 235-46.
Valdez PA. et al., 2004, J Biol Chem. 279 (18): 18662-9.
Claus M. et al., 2007, Front Biosci. 13: 956-65.

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