

For Research Use Only

Recombinant human NTB-A/SLAMF6 protein(rFc Tag)(HPLC verified)



Catalog Number: Eg1361

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human NTB-A protein Gln22-Met226 (Accession# Q96DU3-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
114836

Accession:
Q96DU3-1

Predicted Molecular Mass:
49.4 kDa

SDS-PAGE:
55-70 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Signaling lymphocyte activation molecule 6 (SLAMF6) (Ly108 in mice, NTB-A or SF2000 in humans) is a homophilic receptor belonging to the superfamily immunoglobulin (Ig) domain-containing molecules. SLAMF6 is a type I transmembrane protein with two extracellular immunoglobins (Ig)-like domains and three cytoplasmic tyrosine-based signaling motifs, one of which is immunoreceptor tyrosine-based switch motif. SLAMF6 is expressed on a wide variety of immune cells including T cells (also TFH), B cells, NK cells (expressed in humans only), double positive thymocytes, eosinophils, and neutrophils (mouse only).

References

1. Dragovich MA. et al. (2019). PLoS One. 14(6):e0218109.
2. Yigit B. et al. (2019). Cancer Immunol Res. 7(9):1485-1496.
3. Fraser CC. et al. (2002). Immunogenetics. 53(10-11):843-50.

Synonyms

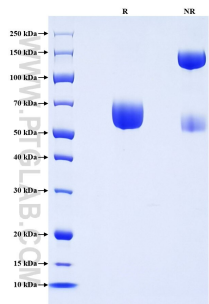
SLAMF6, Activating NK receptor, CD352, KALI, KALIB

For technical support and original validation data for this product please contact

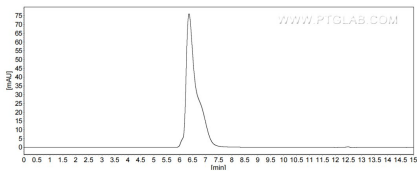
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Selected Validation Data



Purity of Recombinant Human NTB-A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human NTB-A/SLAMF6 was greater than 90% as determined by SEC-HPLC.