

Synonym

NTB-A,SLAMF6,Ly108,NK-T-B-antigen,CD352,KALI

Source

Human NTB-A, His Tag (NTA-H52Ha) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Met 226 (Accession # Q96DU3-1).

Predicted N-terminus: Gln 22

Molecular Characterization

NTB-A(Gln 22 - Met 226)
Q96DU3-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 25.0 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

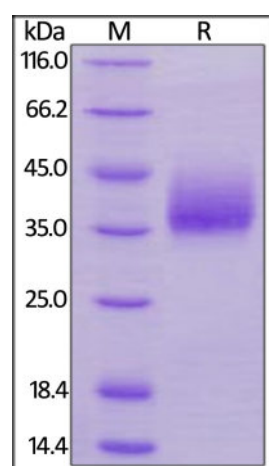
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human NTB-A, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

The SLAM family of receptors is composed of six members named SLAM (CD150); 2B4 (CD244); Ly-9 (CD229); CD84; natural killer, T and B cell antigen (NTB-A; Ly108 in the mouse. Most, if not all, immune cell types express more than one SLAM family receptor. All six SLAM-related genes are located within a 400–500 kilobase (kb) genomic segment on chromosome 1 in humans and mice. This feature implies that the genes that encode the SLAM family were created by serial gene duplication.

References

- (1) [Veillette A., et al. 2007, Immunity., 27\(5\), 698-710.](#)
- (2) [Detre C., et al. 2010, Semin Immunopathol., 32\(2\), 157-71.](#)
- (3) [Nakajima H., et al. 2010, Semin Immunopathol., 32\(2\), 157-71.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.