Recombinant Human NKp30/NCR3/CD337 Protein

Catalog No.: RP00179

Sequence Information

Species
Human

Gene ID
259197

Swiss Prot
O14931

Tags
C-hFc&His

Synonyms
NCR3,1C7,CD337,LY117,MALS, NKp30

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW
39.86 kDa

Observed MW
54-60 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Natural Cytotoxicity Triggering Receptor 3, NCR3, also known as NKp30, or CD337, is a natural cytotoxicity receptor. NKp30 is expressed on both resting and activated NK cells of the CD56dim, CD16+ subset that account for more that 85% of NK cells found in peripheral blood and spleen. NKp30 is absent from the CD56bright, CD16- subset that constitutes the majority of NK cells in lymph node and tonsil, however, its expression is up-regulated in these cells upon IL-2 activation .NKp30 is a member of the immunoglobulin superfamily and one of three existing natural cytotoxicity-triggering receptors. NKp30 is a glycosylated protein and is thought to be selectively expressed in resting and activated natural killer cells. NKp30 is a stimulatory receptor on human NK cells implicated in tumor immunity, and is capable of promoting or terminating dendritic cell maturation. NCR3 may play a role in inflammatory and infectious diseases.

Basic Information

Description
Recombinant Human NKp30/NCR3/CD337 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu19-Thr138) of human NCR3/NKp300 (Accession #NP_001138938.1) fused with an Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized recombinant Human B7-H6 at 2 μg/mL (100 μL/well) can bind recombinant Human NCR3, the EC_{50} of Human NCR3 is 66.43 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

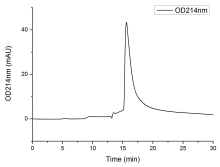
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

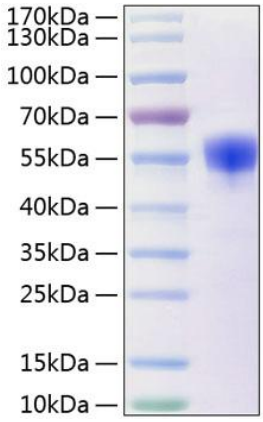
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Please visit http://abclonal.com for a complete listing of recommended products.

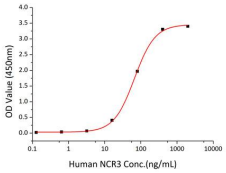
Validation Data



The purity of Human NCR3/NKp300 Protein (Cat.RP00179) was greater than 95% as determined by SEC-HPLC.



Recombinant Human NKp30/NCR3/CD337 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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