Datasheet for ABIN7520345

NCR3 Protein (Fc Tag,His tag)

Go to Product page

Overview

Quantity:	20 µg
Target:	NCR3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NCR3 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human NCR3/NKp30/CD337 Protein
Sequence:	LWVSQPPEIR TLEGSSAFLP CSFNASQGRL AIGSVTWFRD EVVPGKEVRN GTPEFRGRLA PLASSRFLHD HQAELHIRDV RGHDASIYVC RVEVLGLGVG TGNGTRLVVE KEHPQLGAGT
Specificity:	Leu19-Thr138
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	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.

Target Details

Target:	NCR3
Alternative Name:	NCR3/NKp30/CD337 (NCR3 Products)
Background:	Description: 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. Name: NCR3,1C7,CD337,LY117,MALS,NKp30
Gene ID:	259197
UniProt:	O14931
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.