Datasheet for ABIN6961135

NCR3 Protein (AA 19-135) (Fc Tag)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	NCR3
Protein Characteristics:	AA 19-135
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCR3 protein is labelled with Fc Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human NKp30 protein with C-terminal human Fc
Specificity:	NKp30 (Leu19-Glu135) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	NCR3
Alternative Name:	NKp30 (NCR3 Products)

Target Details

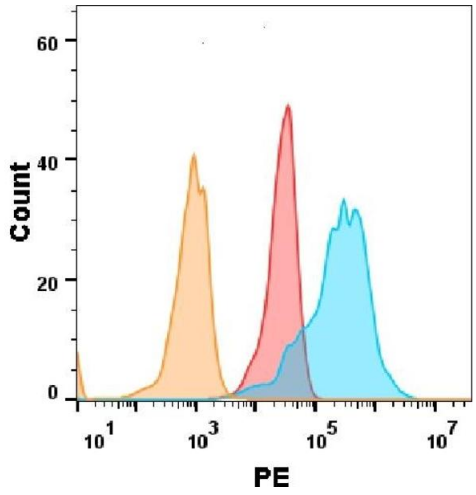
Background:	The protein encoded by this gene is a natural cytotoxicity receptor (NCR) that may aid NK cells in the lysis of tumor cells. The encoded protein interacts with CD3-zeta (CD247), a T-cell receptor. A single nucleotide polymorphism in the 5' untranslated region of this gene has been associated with mild malaria suceptibility. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	predicted molecular mass of 39.0 kDa after removal of the signal peptide.The apparent molecular mass of NKp30-hFc is 45-60 kDa due to glycosylation.
Gene ID:	259197
UniProt:	O14931
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only

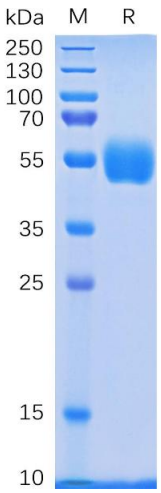
Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



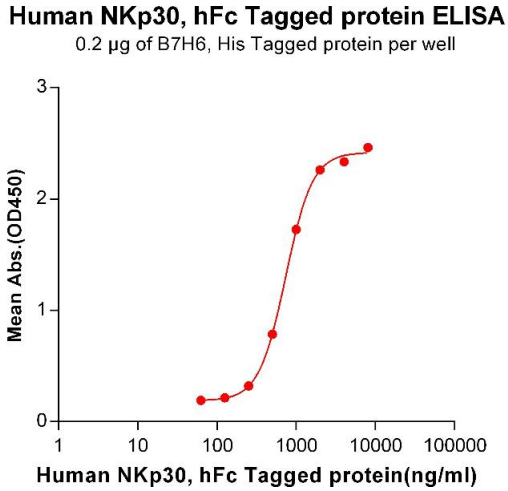
Flow Cytometry

Image 1. B7H6 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with 2 µg/mL Human NKp30 Protein, hFc Tag (ABIN6961135, ABIN7042299 and ABIN7042300) on Expi293 cells transfected with human B7H6 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).



SDS-PAGE

Image 2. Human NKp30 Protein, hFc Tag on SDS-PAGE under reducing condition.



ELISA

Image 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human B7H6, His tagged protein ABIN6964097, ABIN7042449 and ABIN7042450 can bind Human NKp30, hFc tagged protein (ABIN6961135, ABIN7042299 and ABIN7042300) in a linear range of 250-2000 ng/mL.