

ARG70268 Human NCR3 / NKp30 recombinant protein (ECD) (Fc-His-tagged, C-ter)

Package: 50 µg

Store at: -20°C

Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Human NCR3 / NKp30 recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	NCR3 / NKp30 (ECD)
Species	Human
A.A. Sequence	Leu19 - Thr138 of Human NCR3 / NKp30 (NP_001138938.1) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	NK-p30; 1C7; CD antigen CD337; Activating natural killer receptor p30; NKp30; Natural cytotoxicity triggering receptor 3; MALS; LY117; Natural killer cell p30-related protein; CD337

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized recombinant Human B7-H6 at 2µg/ml (100 µl/well) can bind recombinant Human NCR3, the EC50 of Human NCR3 is 66.43 ng/ml.
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Properties

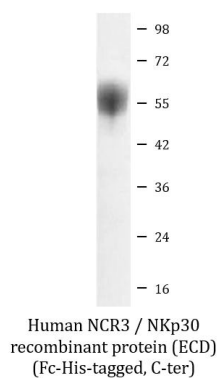
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NCR3
Gene Full Name	natural cytotoxicity triggering receptor 3
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 susceptibility. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]

Function	Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation. [UniProt]
Calculated Mw	22 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG70268 Human NCR3 / Nkp30 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70268 Human NCR3 / Nkp30 recombinant protein (ECD) (Fc-His-tagged, C-ter).