NKp30/NCR3 Protein, Human (120a.a, HEK293, Fc)

Cat. No.:	HY-P77811
Synonyms:	CD337; LY117; NCR3; NKp30; 1C7; MALS
Species:	Human
Source:	HEK293
Accession:	O14931 (L19-T138)
Gene ID:	259197
Molecular Weight:	53-60 kDa

PROPERTIES

Biological Activity	Immobilized Human NKp30 at 0.5 μg/mL (100μL/Well) on the plate. Dose response curve for Biotinylated Anti-NKp30 Antibody with the EC_{50} of 13.4 ng/mL determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The NKp30/NCR3 protein serves as a cell membrane receptor on natural killer (NK) cells, becoming activated upon binding to extracellular ligands such as BAG6 and NCR3LG1. This activation stimulates NK cell cytotoxicity directed towards neighboring cells producing these ligands, thereby controlling NK cell cytotoxicity against various targets, including tumor cells. The engagement of NCR3 by BAG6 not only enhances NK cell-mediated killing of myeloid dendritic cells (DCs) that did not acquire a mature phenotype but also induces the release of TNFA and IFNG by NK cells. This, in turn, promotes the maturation of myeloid dendritic cells. In its unliganded form, NKp30/NCR3 exists as a homodimer and interacts with CD3Z, NCR3LG1, and BAG6, highlighting its role as a multifaceted regulator in immune responses and NK cell-mediated cytotoxicity.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA