Human NKG2A Protein, hFc Tag

Cat. No. PME100851

PRODUCT INFORMATION

Target	NKG2A
Synonyms	CD159A;NKG2;NKG2A
Description	Recombinant Human NKG2A Protein with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P26715
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) NKG2A(Pro94-Leu233)
Molecular Weight	The protein has a predicted molecular mass of 42.2 kDa after removal of the signal peptide.The apparent molecular mass of hFc-NKG2A is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jan 2015]
Usage	Research use only
Conjugate	Unconjugated

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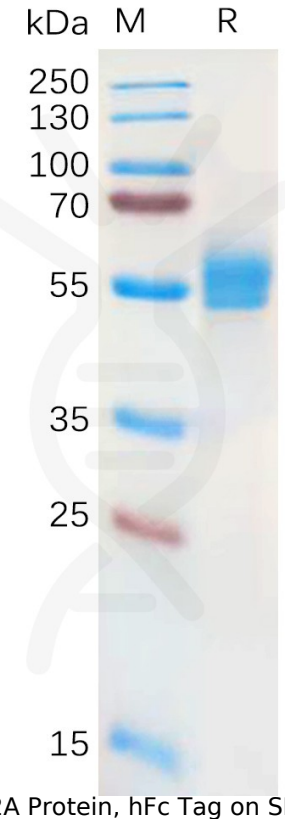


Figure 1. Human NKG2A Protein, hFc Tag on SDS-PAGE under reducing condition.

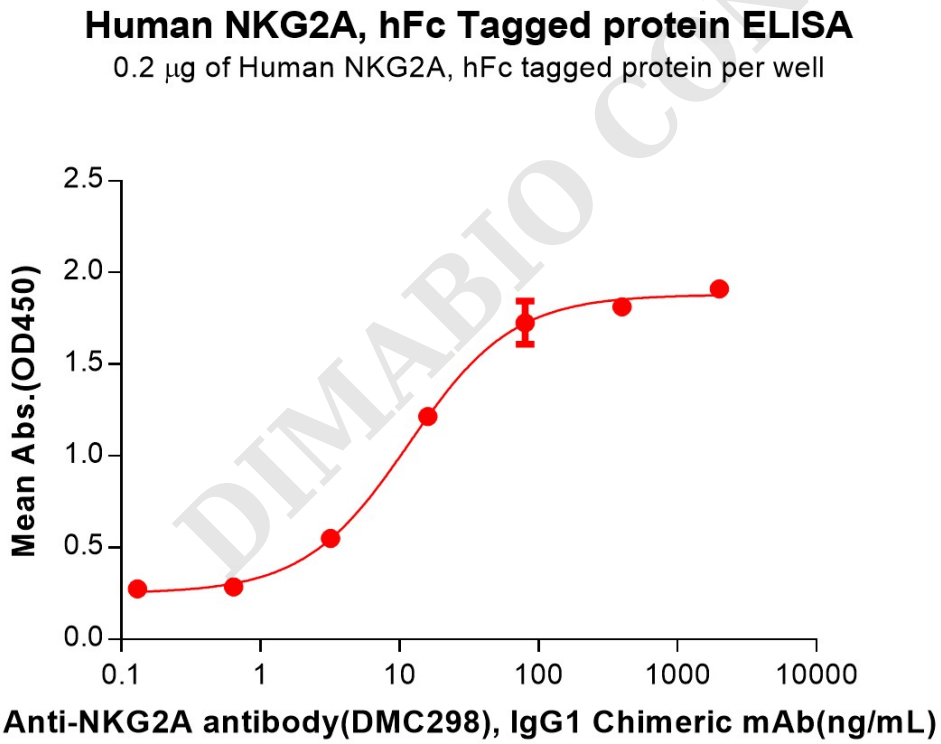


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human NKG2A Protein, hFc Tag (PME100851) can bind Anti-NKG2A antibody(DMC298), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.

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