PRODUCT INFORMATION

Tag	C-Flag Tag
Target	NK1R
Synonyms	NK1R, NKIR, SPR, TAC1R
Description	Human NK1R full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	P25103
Expression Host	HEK293
Protein Families	GPCR,Transmembrane,Druggable Genome,
Protein Pathways	Peptide GPCRs,Glucocorticoid Signaling,cAMP and Ca2+ Signaling Pathway,
Molecular Weight	The human full length NK1R protein has a MW of 46.3kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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	This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq, Sep 2008]
Usage	Research use only
Conjugate	Unconjugated

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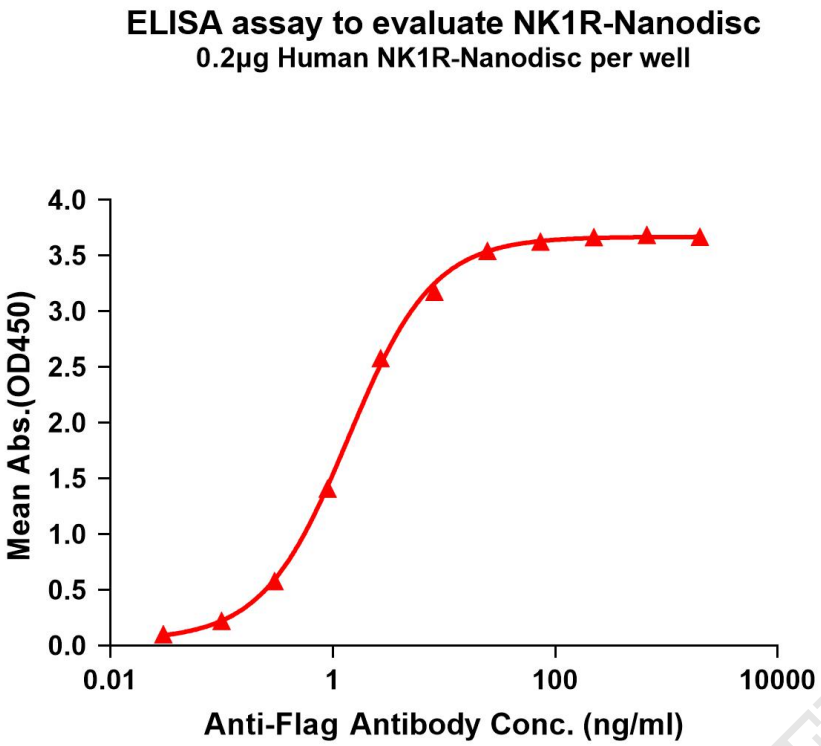

Figure 1. Elisa plates were pre-coated with Flag Tag NK1R-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with NK1R-Nanodisc is 1.375ng/ml.

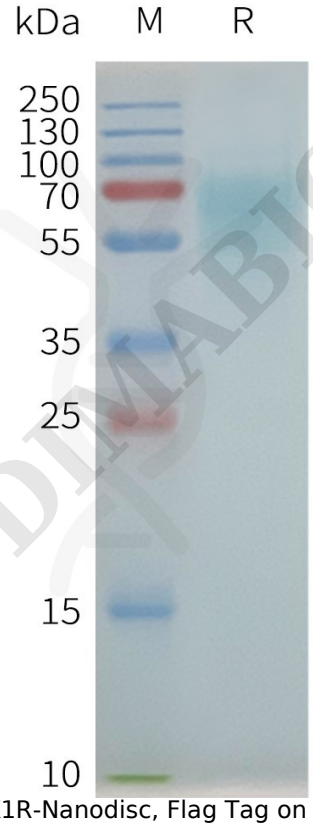

Figure 2. Human NK1R-Nanodisc, Flag Tag on SDS-PAGE

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