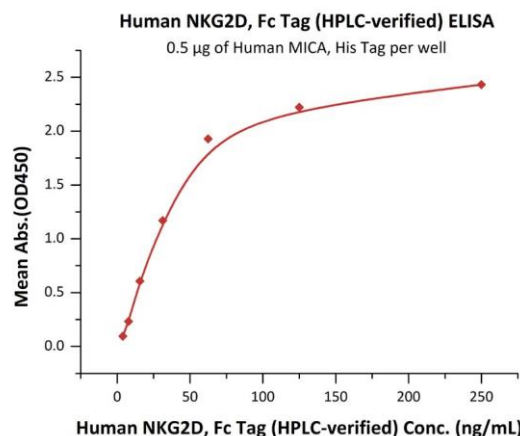
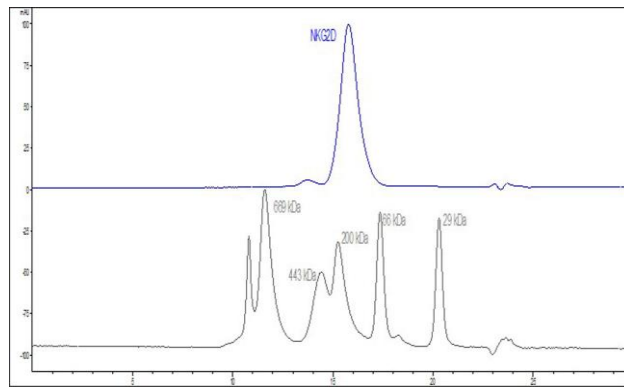


Human CellExp™ NKG2D / CD314, Fc Tag, Human Recombinant

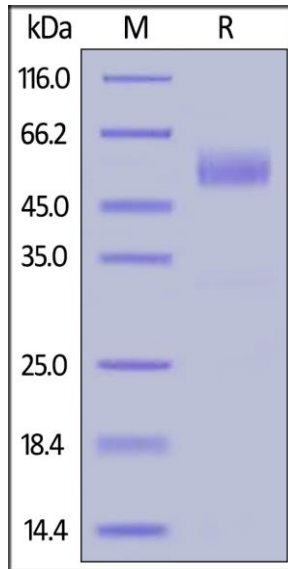
CATALOG NO:	P1484-10 10 µg P1484-50 50 µg
ALTERNATE NAMES:	NKG2D, CD314, KLRK1, NK cell receptor D
MOL. WT.	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 43.1 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>90% SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to the desired protein concentration.
SPECIFIC ACTIVITY:	Immobilized Human MICA, His Tag at 5 µg/mL (100 µL/well) can bind Human NKG2D, Fc Tag with a linear range of 4-63 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles -20°C
DESCRIPTION:	NKG2D is a transmembrane protein belonging to the CD94/NKG2 family of C-type lectin-like receptors, also known as KLRK1, CD314, D12S2489E, KLR and killer cell lectin like receptor K1. NKG2D itself forms a homodimer whose ectodomains serve for ligand binding. NKG2D is a major recognition receptor for the detection and elimination of transformed and infected cells as its ligands are induced during cellular stress, either as a result of infection or genomic stress such as in cancer. In NK cells, NKG2D serves as an activating receptor, which itself is able to trigger cytotoxicity. The function of NKG2D on CD8+ T cells is to send co-stimulatory signals to activate them.
AMINO ACID SEQUENCE:	Ile 73 - Val 216



Immobilized Human MICA, His Tag at 5 µg/mL (100 µL/well) can bind Human NKG2D, Fc Tag with a linear range of 4-63 ng/mL



The purity of Human NKG2D, Fc Tag was greater than 90% as determined by SEC-HPLC.



Human NKG2D, Fc Tag (HPLC-verified) on SDS-PAGE under reducing (R) condition

RELATED PRODUCTS:

- KLRB1, Human Recombinant (7352)
- KLRG1, Human Recombinant (7355)
- KLRK1, human recombinant (7356)
- KLRC2, Human Recombinant (7353)
- KLRC3, Human Recombinant (7354)

FOR RESEARCH USE ONLY! Not to be used on humans.