

Datasheet for ABIN7013619

KLRK1 Protein (AA 73-216) (Fc Tag,FITC)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	KLRK1
Protein Characteristics:	AA 73-216
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This KLRK1 protein is labelled with Fc Tag,FITC.

Product Details

Purpose:	FITC-Labeled Human NKG2D / CD314 Protein, Fc Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	KLRK1
Alternative Name:	NKG2D (KLRK1 Products)
Background:	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

Target Details

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.

Molecular Weight: 43.1 kDa

Pathways: [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

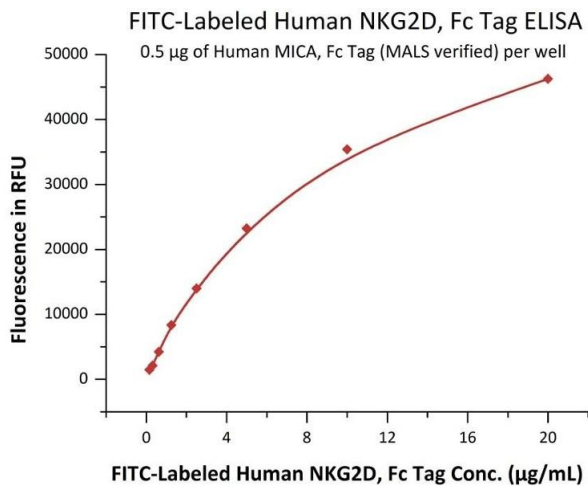
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

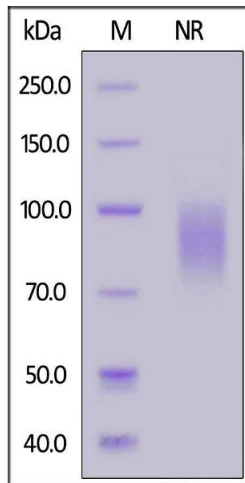
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Human MICA, Fc Tag (MALS verified) (ABIN6973157) at 5 µg/mL (100 µL/well) can bind Fed Human NKG2D, Fc Tag (ABIN6992333) with a linear range of 0.156-10 µg/mL (QC tested).



SDS-PAGE

Image 2. Fed Human NKG2D, Fc Tag on under ing (NR) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .