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KLRK1 Protein (AA 73-216) (Fc Tag)

3 Images



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Overview

Quantity:	100 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.

Product Details

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
	as its ligands are induced during cellular stress, either as a result of infection or genomic stress

Target Details

40.410
activate them.
trigger cytotoxicity. The function of NKG2D on CD8+ T cells is to send co-stimulatory signals to
such as in cancer. In NK cells, NKG2D serves as an activating receptor, which itself is able to

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

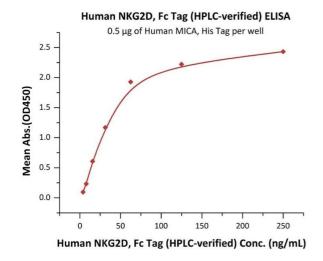
Application Details

Restrictions: For Research Use only

Handling

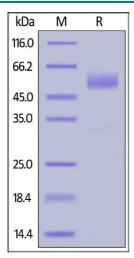
Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH 7.5
Storage:	-20 °C

Images



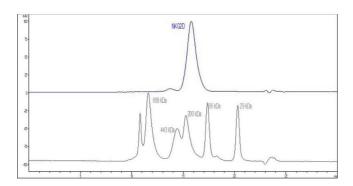
ELISA

Image 1. Immobilized Human MICA, His Tag (ABIN2181503,ABIN2181502) at $5 \mu g/mL$ (100 $\mu L/well$) can bind Human NKG2D, Fc Tag (Hied) (ABIN6933647,ABIN6938851) with a linear range of 4-63 ng/mL (QC tested).



SDS-PAGE

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



High Pressure Liquid Chromatography

Image 3. The purity of Human NKG2D, Fc Tag (Hied) (ABIN6933647,ABIN6938851) was greater than 90% as determined by .