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

2 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 mFc Tag.

Product Details

Characteristics:	Human NKG2D / CD314 Protein, Mouse IgG2a Fc Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 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 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: 43.5 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

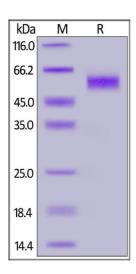
Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Human NKG2D, Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Human NKG2D, Mouse IgG2a Fc Tag ELISA 0.1 μg of Human MICA, His Tag per well 2.5 - 2.0 - 1.5 - 1.0 - 1.5 - 2.0 2.5 Human NKG2D, Mouse IgG2a Fc Tag Conc. (ug/mL)

ELISA

Image 2. Immobilized Human MICA, His Tag (ABIN2181503,ABIN2181502) at 1 μ g/mL (100 μ L/well) can bind Human NKG2D, Mouse IgG2a Fc Tag (ABIN6973178) with a linear range of 0.02-0.313 μ g/mL (QC tested).