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Datasheet for ABIN7275817
ULBP1 Protein (His-Avi Tag)

3 Images

Overview

Quantity:	100 µg
Target:	ULBP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULBP1 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Gly26-Pro215
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human ULBP-1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC50 of 0.19µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	ULBP1
Alternative Name:	ULBP-1 (ULBP1 Products)
Background:	ALCAN-beta, NKG2D ligand 1, N2DL-1, NKG2DL1, MULT-1, NKG2DL, AET1I, ULBP1, ULBP-1, Cell surface proteins major histocompatibility complex (MHC) class I-related chain A (MICA) and

Target Details

UL16-binding proteins (ULBP) 1, 2, and 3 are up-regulated upon infection or tumor transformation and can activate human natural killer (NK) cells.

Molecular Weight: 25.2 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Tris-Bis PAGE result.

UniProt: [Q9BZM6](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

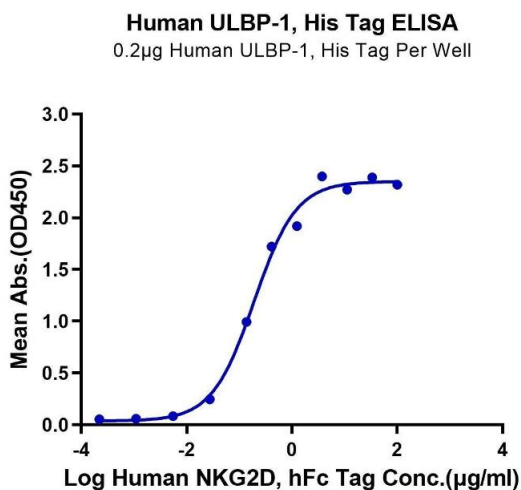
Buffer: Lyophilized from 0.22µm filtered solution in 20 mM PB, 0.5M NaCl, 0.1M L-arginine (pH 8.0). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

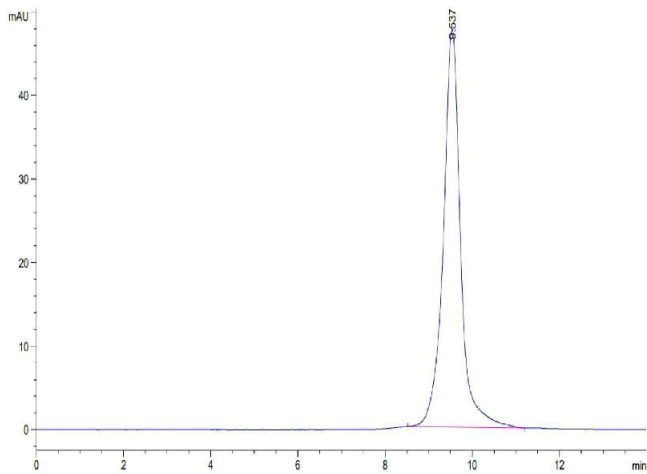
Expiry Date: 12 months

Images



ELISA

Image 1. Immobilized Human ULBP-1, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human NKG2D, hFc Tag with the EC₅₀ of 0.19 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human ULBP-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human ULBP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .