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Datasheet for ABIN7275816 ULBP2 Protein (His-Avi Tag,Biotin)

4 Images



Overview

Quantity:	100 µg
Target:	ULBP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULBP2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Gly26-Ser217					
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC					
Sterility:	0.22 µm filtered					
, ,	'					
Endotoxin Level:	Less than 1EU per μ g by the LAL method.					
Biological Activity Comment:	Immobilized Biotinylated Human ULBP-2, His Tag at 1μ g/ml (100 μ l/well) on the streptavidin					
	precoated plate (5 μ g/ml). Dose response curve for Human NKG2D, hFc Tag with the EC50 of					
	0.2µg/ml determined by ELISA. See testing image for detail.					

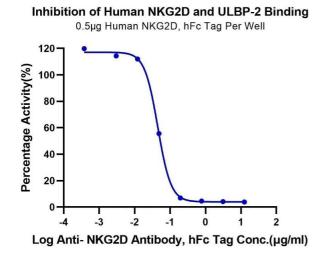
Target Details

Target:	ULBP2
Alternative Name:	ULBP-2 (ULBP2 Products)
Background:	ALCAN-alpha, N2DL2, NKG2DL2, RAET1H, RAET1L, ULBP2, ULBP-2/5/6, NKG2D ligand 2,ULBP2
	expression was however linked to expression of mature CD57() NK cells. In particular,

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Target Details						
	expression of ULBP2 was strongest on those NK cells that had evidence of recent activation and proliferation. We suggest that ULBP2 could be used to identify recently activated "mature" NK cells.					
Molecular Weight:	24.6 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.					
UniProt:	Q9BZM5					
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 PBS (pH 7.4). 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

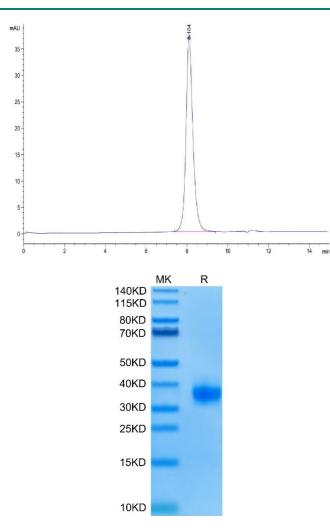


Binding Studies

Image 1. Serial dilutions of Anti-NKG2D Antibody, hFc Tag were added into Biotinylated Human ULBP-2, His Tag : Human NKG2D, hFc Tag binding reactions. The half maximal inhibitiory concentration (IC50) is 45.2 ng/mL.

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Images



Size-exclusion		chromatography-High			Press	ure l	Liquid		
Chromatography									
Image	2.	The	purity	of	Biotinylated	Human	ULBP	-2	is

greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 3. Biotinylated Human ULBP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7275816.