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Datasheet for ABIN7454230

ULBP2 Protein (AA 26-216) (Fc Tag)

Overview

Quantity:	100 µg
Target:	ULBP2
Protein Characteristics:	AA 26-216
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULBP2 protein is labelled with Fc Tag.

Product Details

Purpose:	Human ULBP-2 Protein
Sequence:	Gly26-Ser216
Characteristics:	Recombinant Human ULBP-2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly26-Ser216.
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 NKG2D, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human ULBP-2, hFc Tag with the EC50 of 94.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	ULBP2
Alternative Name:	ULBP-2 (ULBP2 Products)
Background:	ULBPs activate multiple signaling pathways in primary NK cells, resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway, mediating natural killer cell cytotoxicity.
Molecular Weight:	48.40 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
UniProt:	Q9BZM5

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months