

Datasheet for ABIN7275761

TNFRSF1B Protein (AA 23-257) (His tag,Biotin)



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3 Images

Overview

Quantity:	100 µg
Target:	TNFRSF1B
Protein Characteristics:	AA 23-257
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF1B protein is labelled with His tag,Biotin.

Product Details

Purpose:	Biotinylated Human TNFR2/CD120b/TNFRSF1B Protein (Primary Amine Labeling)
Sequence:	Leu23-Asp257
Characteristics:	Recombinant Biotinylated Human TNFR2/CD120b/TNFRSF1B Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.It contains Leu23-Asp257.
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 Anti-TNFR2 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human TNFR2, His Tag with the EC50 of 33.8ng/ml determined by ELISA. See testing image for detail.

Target Details

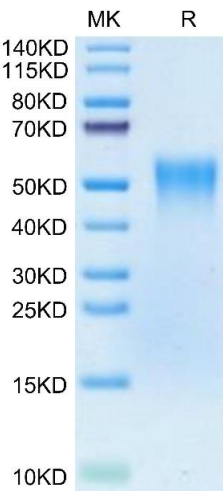
Target:	TNFRSF1B
Alternative Name:	TNFR2 (TNFRSF1B Products)
Background:	<p>Tumor Necrosis Factor Receptor II (TNF RII), also known as TNFRSF1B, p75/p80, and CD120b, is a type I transmembrane protein that belongs to the TNF receptor superfamily. It has a molecular weight of approximately 75 kDa. Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.</p>
Molecular Weight:	26.2 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling , Apoptosis , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only
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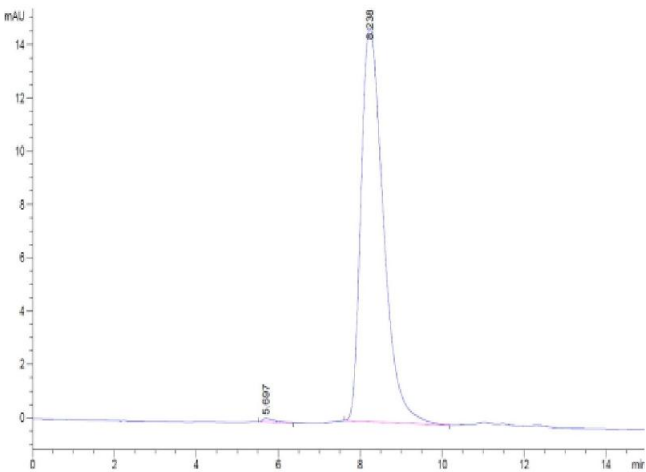
Handling

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



SDS-PAGE

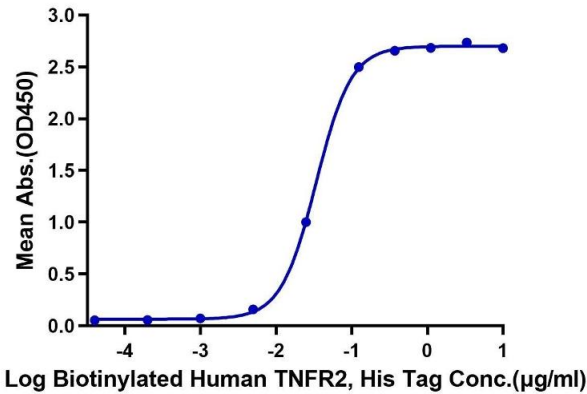
Image 1. Biotinylated Human TNFR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human TNFR2 is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human TNFR2, His Tag ELISA
0.1µg Anti-TNFR2 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-TNFR2 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human TNFR2, His Tag with the EC50 of 33.8 ng/mL determined by ELISA.