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TNFSF13 Protein (Trimer) (His-DYKDDDDK Tag)





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Quantity:	100 μg
Target:	TNFSF13
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF13 protein is labelled with His-DYKDDDDK Tag.

Product Details

Purpose:	Human APRIL/TNFSF13 Trimer Protein	
Sequence:	Lys112-Leu250	
Characteristics:	Recombinant Human APRIL/TNFSF13 Trimer Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus.It contains Lys112-Leu250.	
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 APRIL Trimer, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Human BCMA, hFc Tag with the EC50 of 2.2ng/ml determined by ELISA. See testing image for detail.	

Target Details

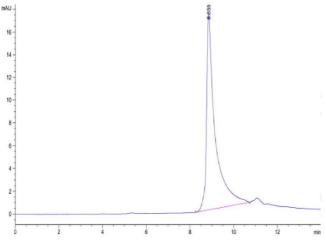
Target:	TNFSF13
Alternative Name:	APRIL (TNFSF13 Products)
Background:	The APRIL (a proliferation-inducing ligand), also known as TNFSF13, TALL2, TRDL1, and CD256, is a member of the TNF ligand superfamily. Both APRIL and its close relative BAFF bind and signal through the TNF superfamily receptors TACI and BCMA, while BAFF additionally functions through BAFF R.
Molecular Weight:	49.9 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

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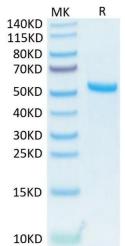
Handling

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

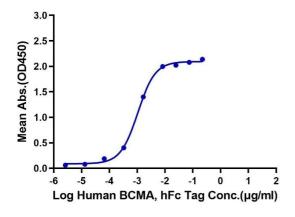
Image 1. The purity of Human APRIL Trimer is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human APRIL Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.





ELISA

Image 3. Immobilized Human APRIL (Trimer), His Tag at $0.2 \,\mu\text{g/mL}$ (100 $\mu\text{L/well}$) on the plate. Dose response curve for Human BCMA, hFc Tag with the EC50 of 1.1 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7273873.