antibodies

Datasheet for ABIN7274251 CD28 Protein (CD28) (AA 19-152) (Fc Tag)



3 Images

Overview

Quantity:	100 µg
Target:	CD28
Protein Characteristics:	AA 19-152
Origin:	Human, Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD28 protein is labelled with Fc Tag.

Product Details

Purpose:	Human/Cynomolgus/Rhesus macaque CD28 Protein	
Sequence:	Asn19-Pro152	
Characteristics:	Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein is expressed from HEK293 with hFc tag at the N-Terminus.It contains Asn19-Pro152.	
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 Human/Cynomolgus/Rhesus macaque CD28, hFc Tag at 0.2µg/ml (100µl/Well)	
	on the plate. Dose response curve for Biotinylated Anti-CD28 Antibody, hFc Tag with the EC50	
	of 33.9ng/ml determined by ELISA. See testing image for detail.	

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Target Details

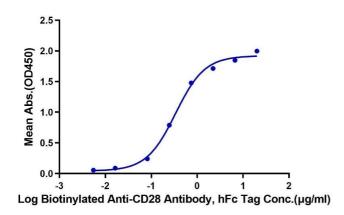
Target:	CD28		
Alternative Name:	CD28 (CD28 Products)		
Background:	CD28 is the receptor for CD80 (B7-1) and CD86 (B7-2) proteins.When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells.		
Molecular Weight:	42.6 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.		

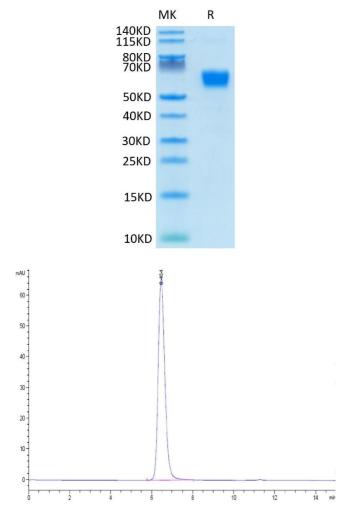
Application Details

Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/m 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	

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Human/Cynomolgus/Rhesus macaque CD28, hFc Tag ELISA 0.02µg Human/Cynomolgus/Rhesus macaque CD28, hFc Tag Per Well





ELISA

Image 1. Immobilized Human/Cynomolgus/Rhesus macaque CD28, hFc Tag at 0.2 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Biotinylated Anti-CD28 Antibody, hFc Tag with the EC50 of 33.9 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Human/Cynomolgus/Rhesus macaque CD28 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion	chromatography-	High Pressure	Liquid			
Chromatography						
Image 3. The	e purity of Hum	nan/Cynomolgus,	/Rhesus			
macaque CD28	was greater than	95% as determ	nined by			
SEC-HPLC.						

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