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C5 Protein (AA 19-1676) (His tag)

Images



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Quantity:	100 μg
Target:	C5
Protein Characteristics:	AA 19-1676
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C5 protein is labelled with His tag.

Product Details

Purpose:	Human Complement C5 Protein
Sequence:	Gln19-Cys1676
Characteristics:	Recombinant Human Complement C5 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln19-Cys1676.
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 Complement C5, His Tag at 1µg/ml (100µl/well) on the plate. Dose
	response curve for Anti-Complement C5 Antibody, hFc Tag with the EC50 of 21.4ng/ml
	determined by ELISA. See testing image for detail.

Target Details

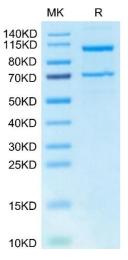
Target:	C5	
Alternative Name:	Complement C5 (C5 Products)	
Background:	Complement component 5 (C5) is an essential factor of the defensive complement system in all vertebrates.C5 plays a major role in complement activation, C5 convertase cleaves C5 into the pro-inflammatory C5a, and C5b, the nidus for the formation of the lytic membrane attack complex.	
Molecular Weight:	112.5 kDa (α chain) and 73.29 (β chain). Due to glycosylation, the protein migrates to 110-114 kDa (α chain) and 69-73 (β chain) based on Tris-Bis PAGE result.	
Pathways:	Complement System, Carbohydrate Homeostasis	

Application Details

Restrictions: For Research Use only

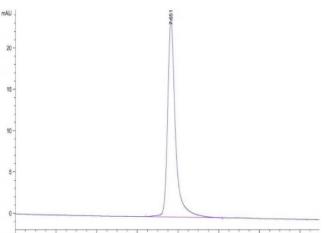
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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

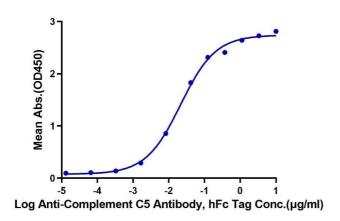
Image 1. Human Complement C5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Complement C5 is greater than 95 % as determined by SEC-HPLC.

Human Complement C5, His Tag ELISA 0.1µg Human Complement C5, His Tag Per Well



ELISA

Image 3. Immobilized Human Complement C5, His Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-Complement C5 Antibody, hFc Tag with the EC50 of 21.4 ng/mL determined by ELISA.