

Product datasheet

Recombinant Human IgG4 Fc Protein, Tag Free (Active) ab181968

[2 Images](#)

Description

Product name	Recombinant Human IgG4 Fc Protein, Tag Free (Active)	
Biological activity	Human FCGRT&B2M Heterodimer Protein, His Tag (SPR & BLI verified) captured on CM5 Chip via anti-His antibody can bind ab181968 with an affinity constant of 0.715 μ M as determined in SPR assay (Biacore).	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/ μ g	
Expression system	HEK 293 cells	
Accession	<u>P01861</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	ESKYGPPCPSCPAPEFLGGPSVFLFPPKPKDTLMISRTPE VTCVVVDVSQ EDPEVQFNWYVDGVEVHNAKTKPREEQFNSTYRVVSVLT VLHQDWLNGKE YKCKVSNKGLPSSIEKTISKAKGQPREPQVYTLPPSQEEM TKNQVSLTCL VKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLY SRLTVDKSRWQ EGNVFCSCVMHEALHNHYTQKSLSLGLGK	
Predicted molecular weight	26 kDa	
Amino acids	99 to 327	
Additional sequence information	Fc Region.	
Description	Recombinant human IgG4 protein (Active)	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab181968** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Surface Plasmon Resonance SDS-PAGE
Form	Lyophilized
Additional notes	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

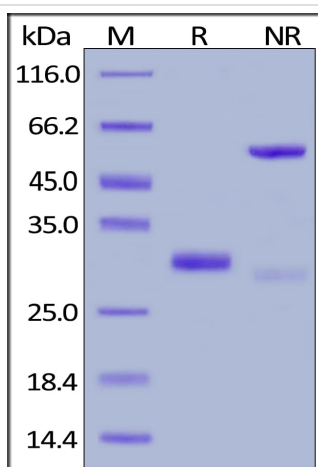
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). pH: 7.4 Constituents: 0.41% Tris, 0.51% Glycine, 6.8% Trehalose, 0.04% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 500 µg/ml.

General Info

Relevance	IgG4 antibodies will dominate the IgG response in schistosomiasis, lymphatic filariasis, and in patients after allergen immunotherapy. Unlike the other IgG subclasses, IgG4 does not activate complement. A combined IgA-IgG4 deficiency has been associated with recurrent pyogenic infections.
Cellular localization	Secreted

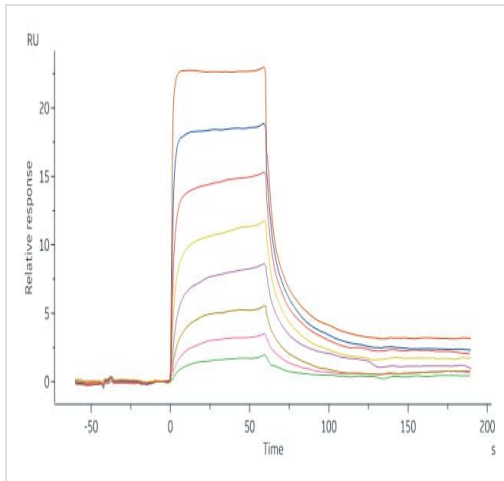
Images



SDS-PAGE - Recombinant Human IgG4 protein
(ab181968)

SDS-PAGE of DTT-reduced (lane 1) and non-reduced (lane 2)
ab181968 stained overnight with Coomassie Blue.

As a result of glycosylation, DTT-reduced (R) protein migrates as
30-32 kDa and non-reduced (NR) protein migrates as 28-30 and
55-60 kDa.



Human FCGRT&B2M Heterodimer Protein, His Tag (SPR & BLI verified) captured on CM5 Chip via anti-His antibody can bind ab181968 with an affinity constant of 0.715 μM as determined in SPR assay (Biacore).

Surface Plasmon Resonance - Recombinant human IgG4 protein (Active) (ab181968)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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