

Product datasheet

Recombinant human IgG2 protein ab182668

[2 Images](#)

Description

Product name	Recombinant human IgG2 protein	
Biological activity	Human FCGRT & B2M Heterodimer Protein, His Tag (SPR & BLI verified) captured on CM5 Chip via anti-His antibody can bind ab182668 with an affinity constant of 33.3 nM as determined in SPR assay (Biacore 8K).	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	P01859	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	ERKCCVECPCPAPPVAGPSVFLFPPKPKDTLMISRTPE VTCVWVDVSHE DPEVQFNWYVDGVEVHNAKTKPREEQFNSTFRVVSVLTV VHQDWLNGKEY KCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMT KNQVSLTCLV KGFYPSDISVEWESNGQPENNYKTPMLDSDGSFFLYS KLTVDKSRWQQ GNVFSCSVMHEALHNHYTQKSLSLSPGK	
Predicted molecular weight	26 kDa	
Amino acids	99 to 326	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab182668** in the following tested applications.

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

Applications	SDS-PAGE
	Surface Plasmon Resonance

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. Please see notes section.

pH: 7.4

Constituents: Tris, Glycine, L-Arginine, Sodium chloride, Trehalose

Lyophilized from 0.22 µm filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

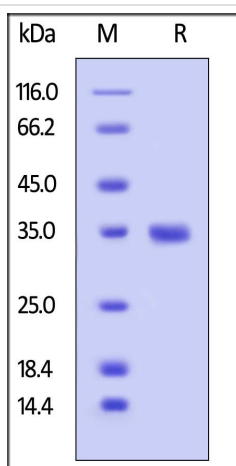
Reconstitution Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

Relevance There are four IgG subclasses (IgG1, 2, 3 and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant). IgG2 is the only IgG subclass which passes through the placenta at a level generally lower than that found in the mother. A deficiency of IgG2 indicates a poor antibody response to bacterial polysaccharides and can lead to increased susceptibility to infections caused by encapsulated bacteria.

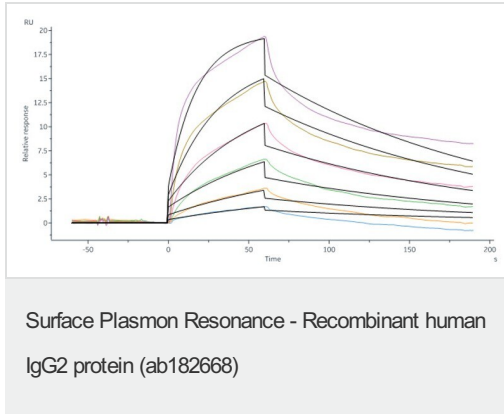
Cellular localization Secreted

Images



Human IgG Fc (Tag Free) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The protein migrates as 33-35 kDa due to glycosylation.

SDS-PAGE - Recombinant human IgG2 protein
(ab182668)



Human FCGRT & B2M Heterodimer Protein, His Tag (SPR & BLI verified) captured on CM5 Chip via anti-His antibody can bind ab182668 with an affinity constant of 33.3 nM as determined in SPR assay (Biacore 8K).

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

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