

Synonym

IgG Fc

Source

Rabbit IgG Fc, Tag Free (IGG-R5203) is expressed from human 293 cells (HEK293). It contains AA Cys 105 - Lys 323 (Accession # [P01870-1](#)).  
Predicted N-terminus: Cys 105

Molecular Characterization

IgG Fc(Cys 105 - Lys 323)  
P01870-1

This protein carries no "tag". The protein has a calculated MW of 24.8 kDa. The protein migrates as 28-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.  
>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.  
Contact us for customized product form or formulation.

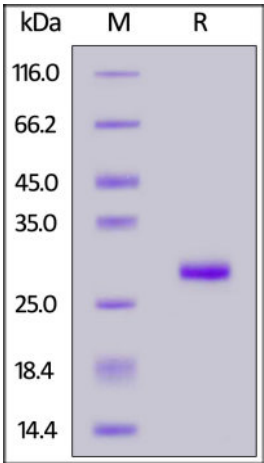
Reconstitution

Please see Certificate of Analysis for specific instructions.  
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
*Please avoid repeated freeze-thaw cycles.*  
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.

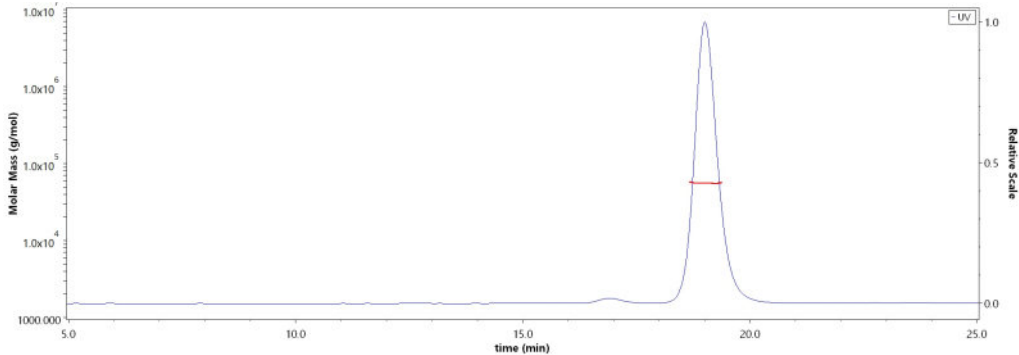
SDS-PAGE



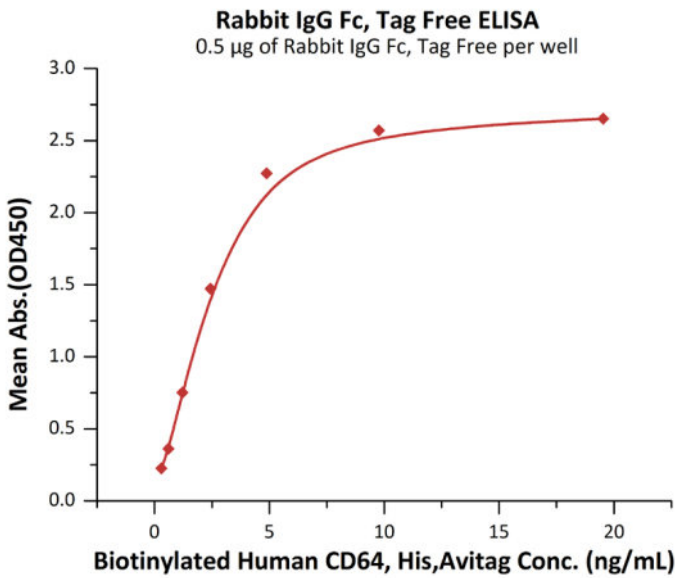
Rabbit IgG Fc, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

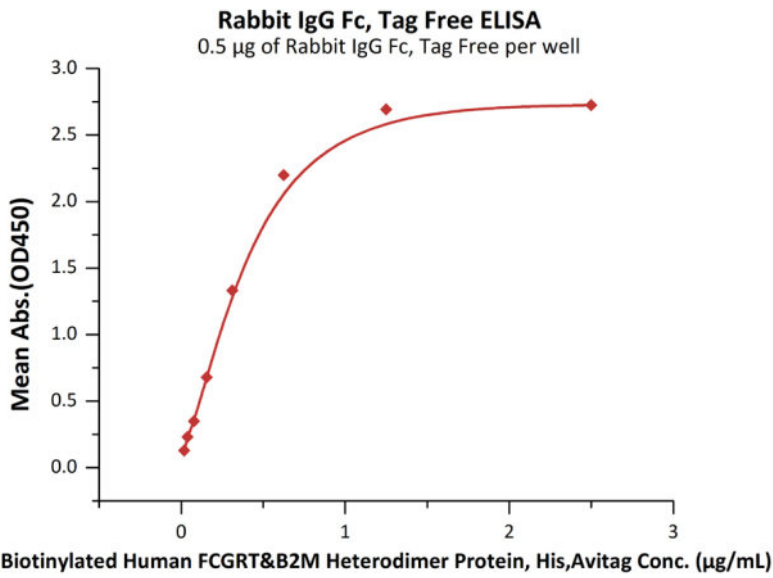
SEC-MALS



The purity of Rabbit IgG Fc, Tag Free (Cat. No. IGG-R5203) was more than 90% and the molecular weight of this protein is around 52-66 kDa verified by SEC-MALS.  
[Report](#)



Immobilized Rabbit IgG Fc, Tag Free (Cat. No. [IGG-R5203](#)) at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD64, His,Avitag (Cat. No. [FCA-H82E8](#)) with a linear range of 0.3-5 ng/mL (QC tested).



Immobilized Rabbit IgG Fc, Tag Free (Cat. No. [IGG-R5203](#)) at 5 µg/mL (100 µL/well) can bind Biotinylated Human FCGRT&B2M Heterodimer Protein, His,Avitag (Cat. No. [FCM-H82W7](#)) with a linear range of 0.02-0.625 µg/mL (Routinely tested).

Background

Crystallizable fragments composed of the carboxy-terminal halves of both IMMUNOGLOBULIN HEAVY CHAINS linked to each other by disulfide bonds. Fc fragments contain the carboxy-terminal parts of the heavy chain constant regions that are responsible for the effector functions of an immunoglobulin (COMPLEMENT fixation, binding to the cell membrane via FC RECEPTORS, and placental transport).

Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.