

Synonym

GPA33,A33

Source

Cynomolgus GPA33, Fc Tag (GP3-C5253) is expressed from human 293 cells (HEK293). It contains AA Ile 22 - Val 235 (Accession # [G7NU40-1](#)).
Predicted N-terminus: Ile 22

Molecular Characterization

GPA33(Ile 22 - Val 235) G7NU40-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 50.2 kDa. The protein migrates as 60-65 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

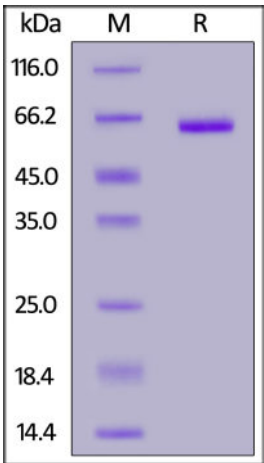
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

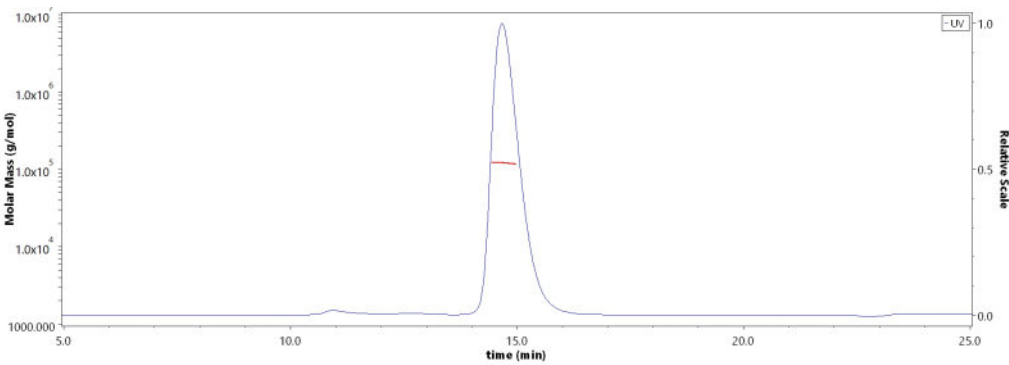
SDS-PAGE



Cynomolgus GPA33, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

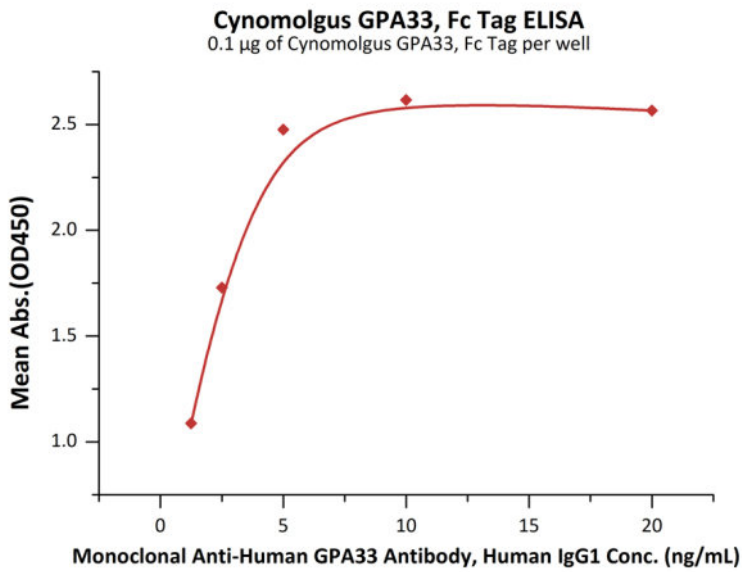
Bioactivity-ELISA

SEC-MALS



The purity of Cynomolgus GPA33, Fc Tag (Cat. No. GP3-C5253) is more than 90% and the molecular weight of this protein is around 108-132 kDa verified by SEC-MALS.

[Report](#)



Immobilized Cynomolgus GPA33, Fc Tag (Cat. No. [GP3-C5253](#)) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human GPA33 Antibody, Human IgG1 with a linear range of 1-5 ng/mL (QC tested).

Background

Glycoprotein A33 (GPA33) is also known as Cell surface A33 antigen, is a single-pass type I membrane protein which is expressed in normal gastrointestinal epithelium and in 95% of colon cancers. GPA33 The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily, which contains. GPA33 may play a role in cell-cell recognition and signaling.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.