

Datasheet for ABIN7274766

GPA33 Protein (AA 22-235) (His-Avi Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	GPA33
Protein Characteristics:	AA 22-235
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPA33 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human GPA33/A33 Protein
Sequence:	Ile22-Val235
Characteristics:	Recombinant Human GPA33/A33 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ile22-Val235.
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 GPA33, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-GPA33 Antibody, hFc Tag with the EC50 of 10.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	GPA33
Alternative Name:	GPA33 (GPA33 Products)
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.
Molecular Weight:	26.5 kDa. Due to glycosylation, the protein migrates to 28-40 kDa based on Tris-Bis PAGE result.

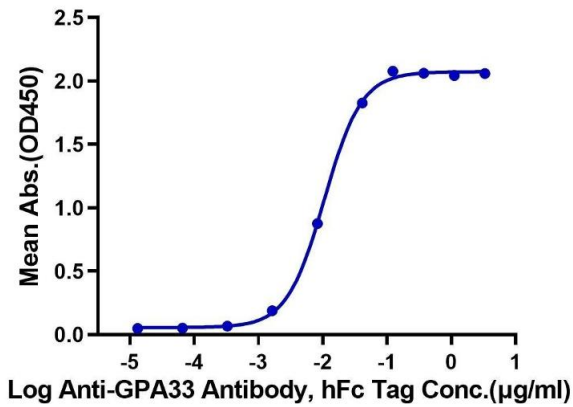
Application Details

Restrictions: For Research Use only

Handling

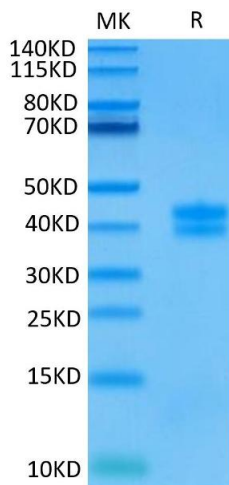
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human GPA33, His Tag ELISA
0.1µg Human GPA33, His Tag Per Well



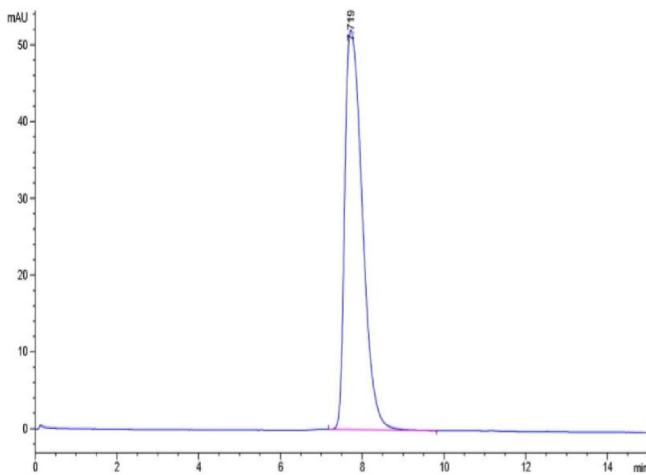
ELISA

Image 1. Immobilized Human GPA33, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-GPA33 Antibody, hFc Tag with the EC50 of 10.6 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human GPA33/A33 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human GPA33/A33 is greater than 95 % as determined by SEC-HPLC.