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Datasheet for ABIN7274767

GPA33 Protein (His-Avi Tag,Biotin)

3 Images

Overview

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

Product Details

Sequence:	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 Anti-GPA33 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human GPA33, His Tag with the EC50 of 11.0ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	GPA33
Alternative Name:	GPA33 (GPA33 Products)
Background:	Glycoprotein A33, GPA33, A33, MGC129986, MGC129987,Glycoprotein A33 (GPA33) is also known as Cell surface A33 antigen, is a single-pass type I membrane protein which is

Target Details

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 tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

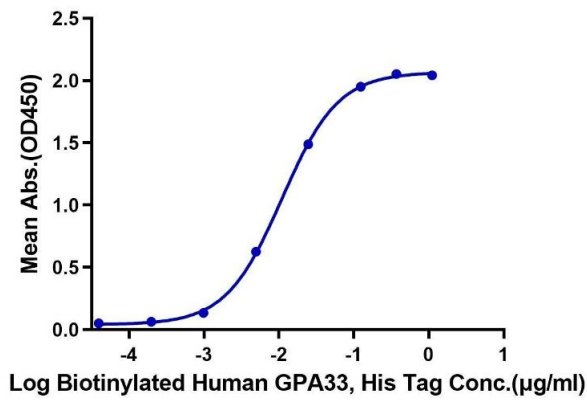
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

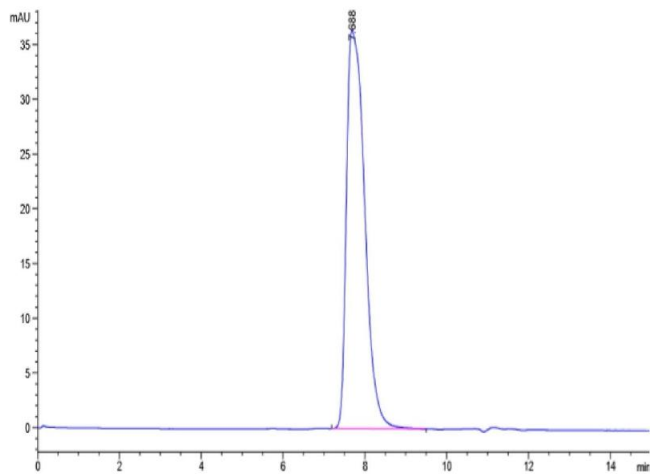
Expiry Date: 12 months

Biotinylated Human GPA33, His Tag ELISA
0.05µg Anti-GPA33 Antibody, hFc Tag Per Well



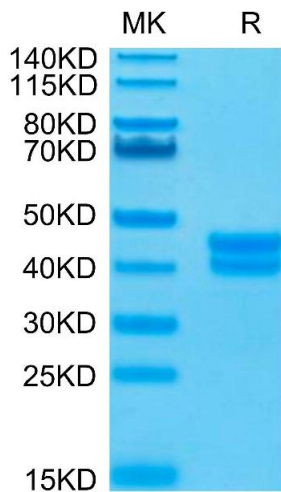
ELISA

Image 1. Immobilized Anti-GPA33 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human GPA33, His Tag with the EC50 of 11.0 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human GPA33 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human GPA33 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .