



Synonym

Epstein-Barr virus (Herpesvirus 4),EBV Glycoprotein gp350,EBV GP350

Source

Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag(GP0-E52H6) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Thr 470 (Accession # [P03200-1](#)).

Predicted N-terminus: Met 1

Molecular Characterization

gp350(Met 1 - Thr 470)
P03200-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 52.3 kDa. The protein migrates as 80-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with Trehalose as protectant.

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

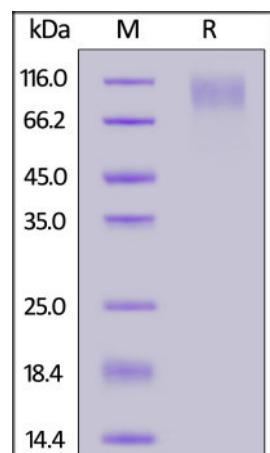
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

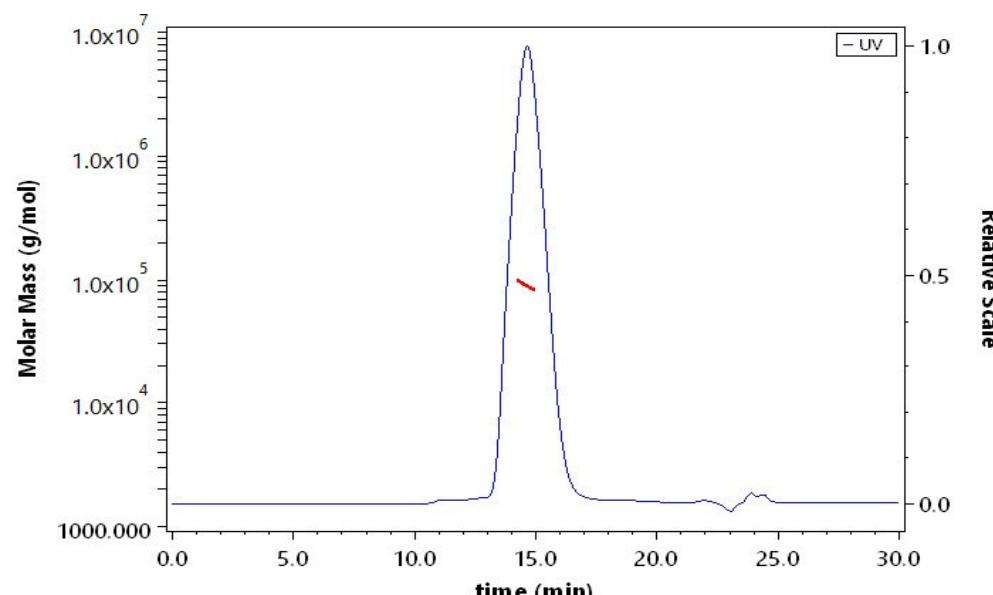
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag (Cat. No. GP0-E52H6) is more than 95% and the molecular weight of this protein is around 85-95 kDa verified by SEC-MALS.
[Report](#)

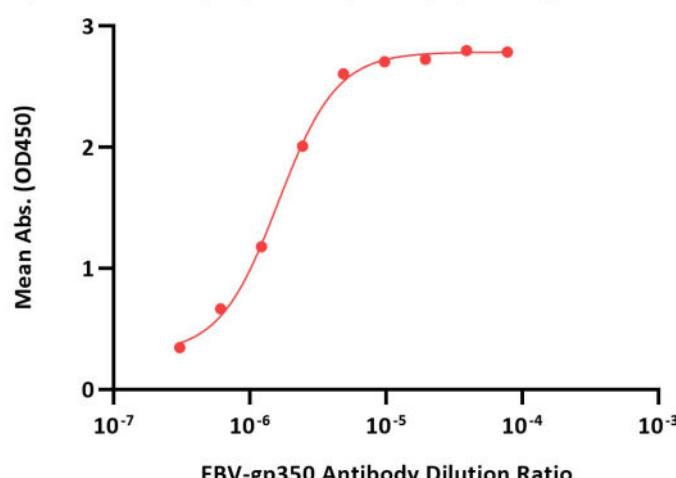
Bioactivity-ELISA

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Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag ELISA
0.1 µg of Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag per well



Immobilized Epstein-Barr virus (Herpesvirus 4) EBV Glycoprotein gp350 Protein, His Tag (Cat. No. GP0-E52H6) at 1 µg/mL (100 µL/well) can bind various dilution ratio of EBV-gp350 Antibody (Routinely tested).

Background

Epstein-Barr virus (EBV), also designated human herpesvirus 4 (HHV-4), is a member of the herpesvirus family and is one of the most common human viruses. EBV binds to the cell surface receptor 2 (CR2) on human B cells using its major envelope glycoprotein 350 (gp350) and, as such, the EBV gp350 Envelope Protein, also designated the EBV envelope glycoprotein complex 250/350, is crucial in mediating the initial stages of EBV infection. The EBV gp350 Envelope Protein is expressed on virion envelope as well as EBV producer cells.

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