CMV Cytomegalovirus Glycoprotein B (Fc Tag)

Catalog Number: 504532

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 700) linked with the cytoplasmic domain (Arg 777-Val 907) of human CMV gB (AAA45920.1, with furin cleavage site mutated from 'RTKR' to 'TTQT') precursor was fused with the Fc region of human IgG1 at the C-terminus.

Organism

CMV

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind biotinylated Human CD209-Fc (Cat:501551) in functional ELISA.

Purity

> 80 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Asn 25

Molecular Mass

The recombinant human CMV glycoprotein B/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 1045 amino acids and has a predicted molecular mass of 118 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of gB/Fc monomer is approximately 160-170 kDa due to glycosylation.

Formulation

Lyophilized from sterile 100mM Gly, 10mM NaCl, 50mM Tris, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

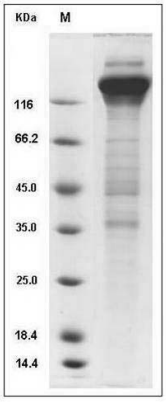
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



CMV Glycoprotein B / gB Protein (Fc Tag) SDS-PAGE