

## Ebola Virus Small Soluble Glycoprotein (EBOV ssGP)

Catalog #: 0565-002

### Description:

Mature, recombinant Ebola Virus small Soluble Glycoprotein (EBOV ssGP) containing a C-terminal His-tag, is supplied as a purified protein. This protein is produced in mammalian cells and is purified by FPLC.

**Formulation & Storage:** Supplied in PBS and supplemented with glycerol, arginine, and glutamic acid. Store at 4°C for up to 1 week, -80°C for long term.

### Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

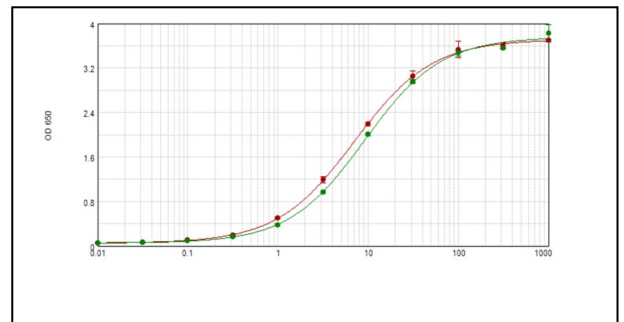
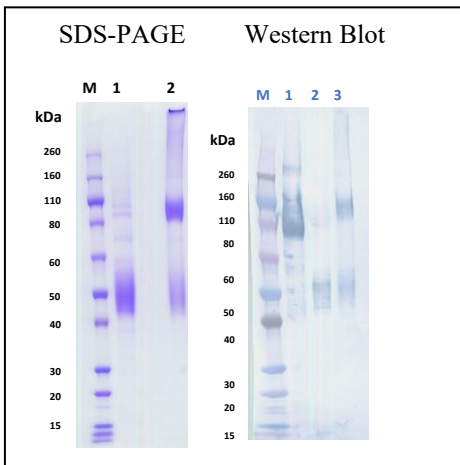
## Applications

### SDS-PAGE and Western Blot Data:

Analysis of 3 µg/lane of EBOV ssGP under reducing (Lane 1) and non-reducing (Lane 2) conditions demonstrates the purity and characteristic banding pattern of the small soluble glycoprotein. Identity was confirmed via Western Blot under reducing conditions. Lane 1 is EBOV GP<sub>ATM</sub> as a positive control, Lane 2 is 300 ng of EBOV ssGP under reducing conditions and Lane 3 under non-reducing conditions. Detection was performed using an NHP hyperimmune serum

### ELISA Data:

Plate was coated with EBOV sGP (red closed circles) and ssGP (green closed circles) at 100 ng/well diluted in DPBS. Washed plate was detected using semi log dilution of a monoclonal antibody that recognizes sGP starting at 100 µg/well and diluted semi-log, followed with goat anti-human IgG-HRP conjugate and TMB substrate. The OD<sub>650</sub> reported shows the response of the titrated antibody against sGP and ssGP.



### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [services@ibtbioservices.com](mailto:services@ibtbioservices.com)

### Related Products:

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