

Monoclonal Anti-HSV-2 (strain HG52) Glycoprotein E (gE) Antibody, Human IgG1 (1E3)

Catalog # GLE-MY2728



Source

Chimeric Monoclonal Anti-HSV-2 (strain HG52) Glycoprotein E (gE) Antibody, Human IgG1 (1E3) is recombinantly expressed in HEK293. It consists of mouse variable regions genetically fused to human IgG1 constant domains.

Antibody Type

Recombinant Monoclonal

Clone

1E3

Isotype

Human IgG1, Kappa

Host Species

Mouse

Reactivity

Virus

Specificity

Specifically recognizes HSV-2 (HG52) Glycoprotein E Protein.

Application

Application	Recommended Use / Performance
ELISA	1-3 ng/mL

Purification

Protein A purified.

Aggregation

Less than 5%, as determined by SEC-MALS.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.01% PF68, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

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.

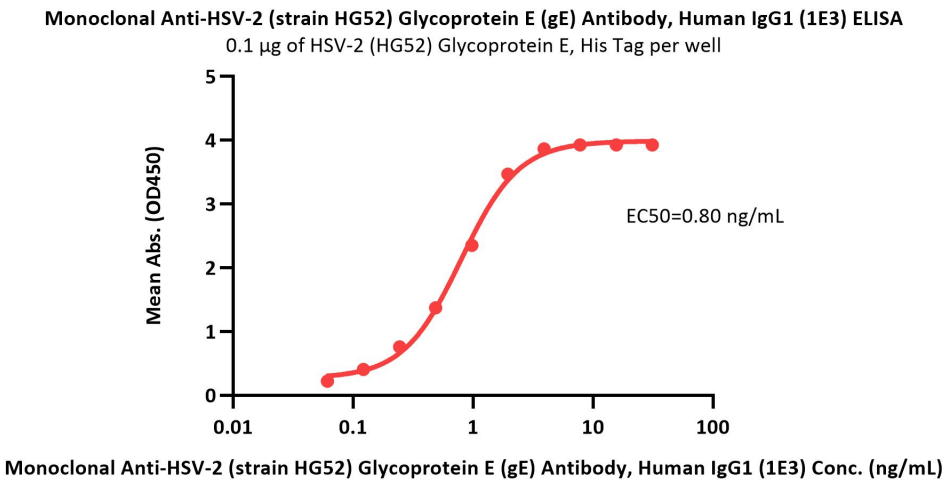
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

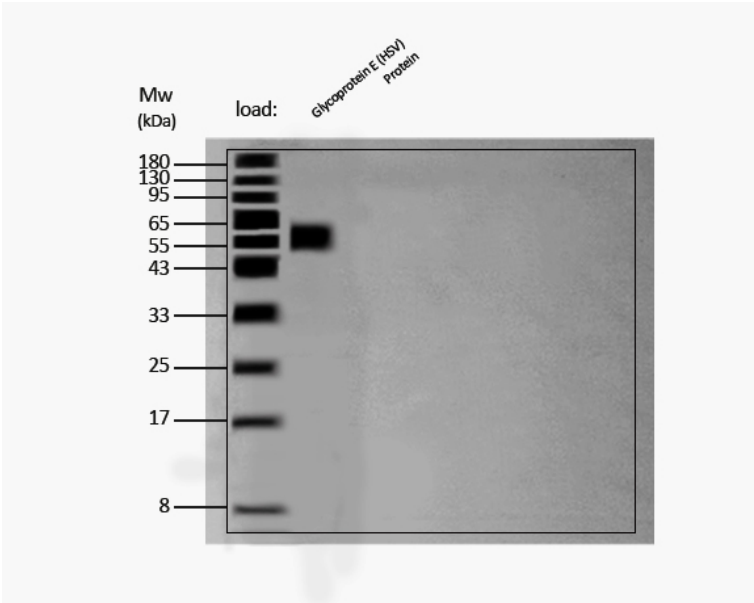
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA



Immobilized HSV-2 (HG52) Glycoprotein E, His Tag (Cat. No. GLE-H52H4) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-HSV-2 (strain HG52) Glycoprotein E (gE) Antibody, Human IgG1 (1E3) (Cat. No. GLE-MY2728) with a linear range of 0.06-2 ng/mL (QC tested).

Western Blot



Western blot analysis of HSV-2 (HG52) Glycoprotein E, His Tag (Cat. No. GLE-H52H4). The protein was loaded at 400 ng per lane and detected using Monoclonal Anti-HSV-2 (strain HG52) Glycoprotein E (gE) Antibody, Human IgG1 (1E3) at 10 µg/mL, followed by (HFC)-Peroxidase AffiniPure Goat Anti-Human IgG, Fcγ fragment specific secondary antibody at a 1:2000 dilution. A specific band was detected at approximately 55-60 kDa.

Background

Glycoprotein E (gE) is an important envelope protein of Herpes simplex virus type 2 (HSV-2). It facilitates cell-to-cell viral spread and immune evasion by binding the Fc region of host IgG. Due to its essential role in viral pathogenesis, anti-gE antibodies are highly valuable reference tools for infectious disease diagnostics (IVD), mechanism studies, and the development of next-generation targeted vaccines.

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