



Source

Monoclonal Anti-Japanese encephalitis virus Envelope protein E Antibody, Human IgG1 (1F8) is a chimeric monoclonal antibody recombinantly expressed from HEK293, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

Clone

1F8

Species

Mouse

Isotype

Human IgG1 | Human Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant Monoclonal

Reactivity

Virus

Immunogen

Recombinant Japanese encephalitis virus (strain SA-14) Envelope protein E is expressed from human 293 cells.

Specificity

Specifically recognizes Japanese encephalitis virus (strain SA-14) Envelope protein E.

Application

Application	Recommended Usage
ELISA	0.1-6 ng/mL

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 µm 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

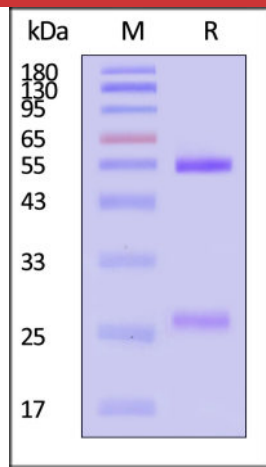
SEC-MALS

Discounts, Gifts,
and more!

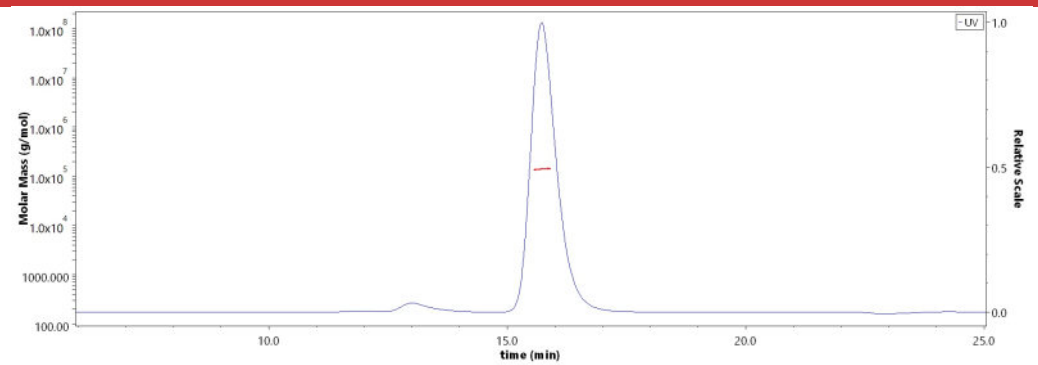


Monoclonal Anti-Japanese encephalitis virus Envelope protein E Antibody, Human IgG1 (1F8) (MALS verified)

Catalog # ENE-MY2023



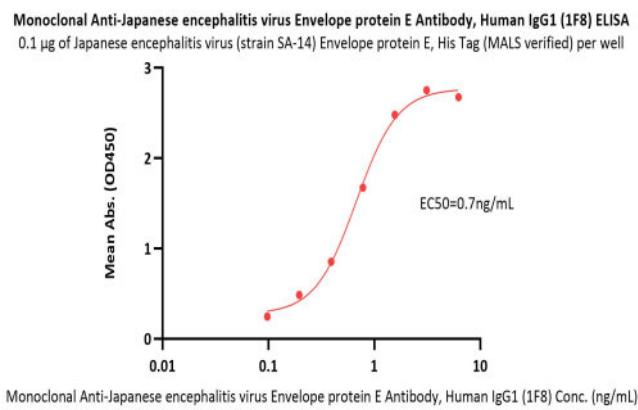
Monoclonal Anti-Japanese encephalitis virus Envelope protein E Antibody, Human IgG1 (1F8) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).



The purity of Monoclonal Anti-Japanese encephalitis virus Envelope protein E Antibody, Human IgG1 (1F8) (Cat. No. ENE-MY2023) is more than 90% and the molecular weight of this protein is around 135-160 kDa verified by SEC-MALS.

[Report](#)

Bioactivity-ELISA



Immobilized Japanese encephalitis virus (strain SA-14) Envelope protein E, His Tag (MALS verified) (Cat. No. ENE-J52H5) at 1 μ g/mL (100 μ L/well) can bind Monoclonal Anti-Japanese encephalitis virus Envelope protein E Antibody, Human IgG1 (1F8) (Cat. No. ENE-MY2023) with a linear range of 0.1-1.6 ng/mL (QC tested).

Background

Japanese encephalitis B, a mosquito-borne flavivirus, or B encephalitis, is the most important cause of viral encephalitis in Asia in terms of frequency and severity. JEV envelope protein E is an important research target, binding to host cell surface receptors and mediating fusion between the virus and the cell membrane.

Clinical and Translational Updates

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