

# Anti-Dengue Virus Envelope Protein E, Humanized Antibody

rev 11/21

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CATALOG NO.:                    **A2293-50 (50 µg)**  
   **A2293-100 (100 µg)**

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**BACKGROUND DESCRIPTION:** The mosquito-borne Dengue viruses (serotype 1-4) cause dengue fever, a severe flu-like illness. The disease is prevalent in Third World tropical regions, and continues to spread to sub-tropical developed countries, as well the United States. The Dengue viral genome consists of a single-stranded RNA that encodes a single polyprotein. The Dengue genome polyprotein, upon translation, is then co- and post-translationally cleaved into 11 mature proteins, including the envelope protein E. Envelope protein E plays a role in virion budding as well as mediating fusion between viral and cellular membranes. This research-grade biosimilar is a humanized antibody that targets the Dengue envelope protein E.

**ALTERNATE NAMES:**            Envelope Protein E; Dengue Genome Polyprotein

**ANTIBODY TYPE:**                Monoclonal

**HOST/ISOTYPE:**                Recombinant / IgG1

**SOURCE:**                        CHO cells

**IMMUNOGEN:**                    Envelope Protein E portion of Dengue genome polyprotein

**FORM:**                            Liquid

**FORMULATION:**                In PBS, pH 7.5

**SPECIES REACTIVITY:**        Dengue virus

**STORAGE CONDITIONS:**        Store at -80 °C. Avoid repeated freeze-thaw cycles

**This information is only intended as a guide. The optimal dilutions must be determined by the user**

**RELATED PRODUCTS:**

Anti-Flavivirus Group Antigen, Human IgG1 Antibody (Cat. No. A1102)  
Dengue Virus IgM ELISA Kit (Cat. No. E4671)  
Anti-Flavivirus Group Antigen Antibody (Cat. No. A1146)  
Anti-SARS-CoV-2 RBD, Humanized Antibody (Cat. No. A2292)  
Dengue Virus IgG ELISA Kit (Cat. No. E4670)  
Anti-CoV-2, MERS & SARS-CoV NP Mouse IgG1 Antibody (Cat. No. A2063)

***FOR RESEARCH USE ONLY! Not to be used on humans.***