

Anti-Saint Louis encephalitis virus envelope glycoprotein [6B6C-1] Standard Size Ab01153-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, [Fc Silent™](#), Kappa

Clone Number: 6B6C-1

Alternative Name(s) of Target: U3PUB9; A0A141AVS7; SLE envelope protein; SLE envelope glycoprotein

UniProt Accession Number of Target Protein: A0A141AVS8

Published Application(s): immunoblot, IP, ELISA

Published Species Reactivity: Saint Louis encephalitis virus

Immunogen: This antibody was raised by immunising mice with purified Saint Louis encephalitis (SLE) virus strain MSI-7.

Specificity: This broadly flavivirus cross-reactive antibody, originally raised against SLE virus strain MSI-7, is specific for the E-4 epitope of the flaviviral envelope protein.

Application Notes: Due to its flavivirus group reactivity, this antibody has been used in a range of immunoassays for the detection of flaviviruses. The reactivity of this antibody with purified SLE virus has been confirmed in ELISA analysis (Roehrig et al, 1983), while Hunt et al (2002) have used this antibody in a West Nile virus antigen capture ELISA. This antibody has also been included in IgM antibody-capture [MAC]-ELISAs for the diagnosis of arboviral infections (Johnson et al, 2000; Martin et al, 2000).

Antibody First Published in: Roehrig et al. Identification of epitopes on the E glycoprotein of Saint Louis encephalitis virus using monoclonal antibodies. Virology. 1983 Jul 15;128(1):118-26. [PMID:6192585](#)

Note on publication: Describes the original generation of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.