

AM01226PU-N**Monoclonal Antibody to St. Louis Encephalitis Virus - Purified**

Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	SLE is a flavivirus producing severe encephalitis in humans. The viral envelope contains a single glycoprotein serving as a major structural component of the virion spike.
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	6b6c-1
Immunogen:	Purified SLE strain MSI-7. Spleen cells from immunised mice were fused with cells of the SP2/0 Ag 14 myeloma cell line.
Format:	State: Liquid purified IgG fraction Buffer System: PBS Preservatives: 0.09% Sodium azide
Applications:	ELISA. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the Saint Louis Encephalitis virus strain (MSI-7) envelope glycoprotein. The antibody cross reacts with other SLE strains and related Flaviviruses as determined by Immunofluorescence and Haemagglutination assays (Roehrig et al.). Clone <i>6b6c-1</i> reacts with others members of Flaviviridae including Japanese Encephalitis (Nakayama), West Nile (EG101), Murray Valley Encephalitis (Original), Yellow Fever (17D), Dengue 1 (Hawaii), Dengue 2 (New Guinea C), Dengue 3 (H87) and Dengue 4 (H241).
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Roehrig JT, Mathews JH, Trent DW. Identification of epitopes on the E glycoprotein of Saint Louis encephalitis virus using monoclonal antibodies. <i>Virology</i> . 1983 Jul 15;128(1):118-26. PubMed PMID: 6192585. 2. Vorndam V, Mathews JH, Barrett AD, Roehrig JT, Trent DW. Molecular and biological characterization of a non-glycosylated isolate of St Louis encephalitis virus. <i>J Gen Virol</i> . 1993 Dec;74 (Pt 12):2653-60. PubMed PMID: 7506301. 3. Mathews JH, Roehrig JT. Elucidation of the topography and determination of the protective epitopes on the E glycoprotein of Saint Louis encephalitis virus by passive transfer with monoclonal antibodies. <i>J Immunol</i> . 1984 Mar;132(3):1533-7. PubMed PMID: 6198396.