

12-8564: Anti-Mayaro Virus, E1 (Clone MAYV-7700)

Clonality :	Monoclonal
Clone Name :	MAYV-7700
Application :	ELISA,IF
Alternative Name :	E1, envelope protein 1
Isotype :	Mouse IgG1 κ
Immunogen Information :	Recombinant antigen; Acre27 strain

Description

Specificity

Anti-Mayaro Virus (Clone MAYV-7700) is specific for Mayaro Virus envelope protein 1 (E1).

Background

Mayaro virus (MAYV) is a arthropod-borne RNA virus belonging to the Togaviridae family, Alphavirus genus. It is closely related to other arboviruses like Chikungunya and Ross River virus. Originally discovered in Trinidad in 1954, MAYV is transmitted to humans primarily through the bite of infected mosquitoes, particularly the *Aedes* species. The virus causes Mayaro fever, a febrile illness with symptoms resembling those of dengue and chikungunya, including fever, joint pain, and rash. While traditionally considered restricted to South America, recent reports of MAYV cases in other regions indicate its potential for geographic expansion. The disease burden of Mayaro fever has been underreported and underestimated, and its emergence highlights the importance of monitoring and understanding the ecology and epidemiology of emerging arboviruses for effective public health management.

Product Info

Amount :	250 μ g
Purification :	Purity: >90% for SDS PAGE Product Preparation: This monoclonal antibody is purified by ion exchange chromatography. Product Concentration $\geq$ 1.0 mg/ml
Content :	Formulation: Formulated in 0.015 M phosphate buffered saline (0.85% NaCl), pH 7.2 and contains 0.05% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Storage condition :	This purified antibody is stable when stored at 2-8°C. Do not freeze.

Application Note

Research Use Only