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12-8290: Anti-Yellow Fever Virus, NS1 (Clone YFV-8808)

Clonality :	Monoclonal
Clone Name :	YFV-8808
Application :	ELISA
Alternative Name :	YFV, Non-Structural protein 1, NS1
Isotype :	Mouse IgG1 κ

Description

Specificity: Anti-Yellow Fever Virus (Clone YFV-8808) is specific for NS1 of Yellow Fever Virus and does not cross-react with other Flaviviruses.
Background: Yellow Fever Virus (YFV) is a single-stranded RNA virus belonging to the Flaviviridae family. It is transmitted to humans primarily through the bites of infected mosquitoes, particularly Aedes aegypti and Aedes albopictus. Yellow fever has been a significant public health concern for centuries, causing periodic outbreaks and devastating epidemics in tropical regions of Africa and the Americas. The virus is responsible for a wide range of clinical manifestations, from asymptomatic or mild febrile illness to severe hemorrhagic fever and organ failure, which can be fatal. The disease is named for the jaundice that can occur in severe cases due to liver involvement. Yellow Fever vaccines have been highly effective in preventing the disease, and mass vaccination campaigns have played a crucial role in controlling outbreaks. However, Yellow Fever remains a global health threat, particularly in areas where vaccination coverage is low or lacking. Ongoing surveillance, mosquito control measures, and access to vaccination are essential components of the efforts to prevent and control Yellow Fever.NS1 (Non-Structural Protein 1) plays an important role in the viral life cycle and interacts with the host immune system aiding in immune evasion. NS1 has been investigated as a potential diagnostic marker for Yellow Fever infection, as it can be detected in patient samples.

Product Info

Amount :	250µg
Purification :	Purity: ≥90% Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.
Content :	Concentration: ≥1.0 mg/ml Formulation: Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% 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

ELISA, Lateral Flow