Leinco Technologies, Inc.
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Anti-Dengue, NS1

Purified No Carrier Protein

Hybridoma Monoclonal Antibody

Product Information

Product No.:	D222
Clone:	DENV-4014
Isotype:	Mouse IgG1

Product Description

Specificity:
Anti-Dengue virus (Clone DENV-4014) is specific for NS1 of all four serotypes of Dengue virus.

Background:
Dengue virus (DENV) is the most common insect-transmitted virus to target humans, with an estimated 390 million infections annually[1]. DENVs are members of the Flaviviridae family (single-stranded, positive-sense RNA viruses) and can be divided into four closely related but antigenically distinct serotypes[2]. Encoded in the genome is NS1 (Non-Structural Protein 1) which plays a critical role in the viral life cycle and interacts with the host immune system. NS1 is present in the serum of infected individuals and can be detected early during acute infection, making it a valuable diagnostic marker for dengue fever.

Known Reactivity Species:
Dengue Virus

Format:
Purified

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.

Purity
≥90%

Storage and Stability
This purified antibody is stable when stored at 2-8°C. **Do not freeze.**

Product Preparation
This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.

Applications
Applications and Recommended Usage (Quality Tested By Leinco):

ELISA: 1:20-1:200,
IF: 1:10-1:50

Country of Origin
USA

References
1. Smith SA, de Alwis AR, Kose N, et al. mBio. 4(6):e00873-13. 2013.
2. Lecouturier V, Berry C, Saulnier A, et al. Vaccine. 37(32):4601-4609. 2019.

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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