



Mouse Anti-DENV 4 NS1 Monoclonal antibody, clone 082425 (CABT-CS085)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects recombinant Dengue Virus 4 NS1 in direct and capture ELISAs and Western blots. In direct ELISAs and Western Blots, no crossreactivity with recombinant Dengue Virus 1, 2 and 3 NS1 proteins was observed.
Target	DENV 4 NS1
Immunogen	Human embryonic kidney cell line HEK293 derived recombinant Dengue Virus 4 NS1 protein Asp1-Ala352
Isotype	IgG2B
Source/Host	Mouse
Species Reactivity	DENV 4
Clone	082425
Conjugate	unconjugated
Applications	ELISA, WB
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 6 months, -20 to -70°C under sterile conditions after reconstitution.
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BACKGROUND

Introduction	Dengue virus (DENV), the cause of Dengue fever, is a single positive-stranded RNA virus of the family Flaviviridae, genus Flavivirus. 5 closely related but antigenically distinct serotypes of the virus have been found: DENV1, DENV2, DENV3, DENV4 and DENV5. DENV has a genome of about 11,000 bases, encoding a single large polyprotein that is subsequently cleaved into several structural and nonstructural peptides. The polyprotein is divided into three structural proteins, C, prM, E, seven nonstructural proteins, NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5, and short noncoding regions on both the 5' and 3' ends. DENV nonstructural protein1 (NS1) is a secreted glycoprotein that is absent from viral particles but accumulates in the supernatant and on the plasma membrane of cells during infection.
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Keywords	DENV 4 NS1; DENV 4; DENV NS1; DENV type 4; DENV type 4 NS1
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