



# 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

<b>Specificity</b>	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.
<b>Target</b>	DENV 4 NS1
<b>Immunogen</b>	Human embryonic kidney cell line HEK293 derived recombinant Dengue Virus 4 NS1 protein Asp1-Ala352
<b>Isotype</b>	IgG2B
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	DENV 4
<b>Clone</b>	082425
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, WB
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	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 positivestranded 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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