



Mouse Anti-DENV type 2 Envelope Monoclonal antibody, clone C043N (CABT-RM276)

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

PRODUCT INFORMATION

Specificity	Dengue Virus Type 2 envelope protein. Minimal crossreactivity with other Dengue subtypes.
Target	DENV type 2 Envelope
Immunogen	Dengue infected cell Lysate.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	DENV
Clone	C043N
Purification	Ion Exchange Chromatography
Conjugate	unconjugated
Applications	IF
Reconstitution	Reconstitute with water. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.
Format	Lyophilized
Size	0.5 mg
Buffer	Lyophilized from Phosphate Buffered Saline
Preservative	None

Storage	Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
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BACKGROUND

Introduction	Dengue virus (DENV) in one of four serotypes is the cause of dengue fever. It is a mosquito-borne single positive-stranded RNA virus of the family Flaviviridae; genus Flavivirus. All four serotypes can cause the full spectrum of disease. Its genome is about 11000 bases that codes for three structural proteins, capsid protein C, membrane protein M, envelope protein E; seven nonstructural proteins, NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5; and short non-coding regions on both the 5 and 3 ends. Further classification of each serotype into genotypes often relates to the region where particular strains are commonly found or were first found.
Keywords	Dengue virus; DENV; DENV type 2; DENV type 2 Envelope; DENV Envelope
