



Mouse Anti-DENV Envelope Monoclonal antibody, clone C3047N (CABT-RM277)

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

PRODUCT INFORMATION

Specificity	Dengue Virus Envelop Domain III of serotypes 1-3
Target	DENV Envelope
Immunogen	Dengue Virus Lysate
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	DENV
Clone	C3047N
Purification	> 90% pure. Protein A Chromatography
Conjugate	unconjugated
Applications	ELISA, IF
Format	Liquid
Concentration	1.6 mg/mL
Size	1 mg
Buffer	0.01 M Phosphate Buffered Saline, pH 7.2. This product contains no stabilizing proteins.
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

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 Envelope protein; Dengue virus Envelope; Dengue Envelope; Dengue Envelope protein; DENV Envelope; DENV; Dengue viru