



Mouse Anti-TBEV NS1 Monoclonal antibody, clone 4D3E3 (CABT-RM262)

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

PRODUCT INFORMATION

Specificity	Tick-borne Encephalitis Virus NS1 protein. No reactivity with other Flaviviruses
Target	TBEV NS1
Immunogen	Purified Tick-borne Encephalitis Virus
Isotype	IgG2b, kappa
Source/Host	Mouse
Species Reactivity	TBEV
Clone	4D3E3
Purification	Ion Exchange Purified,>90% by SDS-PAGE
Conjugate	unconjugated
Applications	ELISA, LFIA
Format	Liquid
Size	1 mg
Buffer	0.015M Potassium Phosphate, pH 7.2 with 0.85% Sodium Chloride
Preservative	0.05% Sodium Azide
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.
Ship	Cold Packs

BACKGROUND

Introduction	TBEV is a small, lipid-enveloped virus with a diameter of 40-60 nm, as well as other members of Flavivirus. The TBEV genome is a single-stranded, positive-sense RNA with a length of approximately 11 kb, containing a 5' cap which is important for the stability and translation of mRNA. TBEV genome lacks of polyadenylate tail and contains a single open reading fragment (ORF). This ORF encodes all the TBEV viral proteins including three structural proteins- the large enveloped glycoprotein (protein E), the membrane protein M (which are formed by cleavage from its precursor prM), the capsid protein C- and seven nonstructural protein- NS1 (glycoprotein), NS2A, NS2B (protease component), NS3 (protease, helicase and NTPase activity), NS4A, NS4B and NS5 (RNA-dependent polymerase). 5' and 3' ends or the TBEV genome are just non-coding regions.
Keywords	Tick-borne Encephalitis Virus non-structural 1 protein; Tick-borne Encephalitis Virus Nonstructural Protein 1;TBEV-NS1; TBEV; Tick-borne Encephalitis Virus; TBEV NS1; NS1