

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects Viral Tick-borne Encephalitis Virus NS1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1004120
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived viral Tick-borne Encephalitis Virus NS1 Amino Acids 777-1128
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
ELISA	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Tick-borne encephalitis virus (TBEV), a member of the genus Flavivirus, is the virus associated with tick-borne encephalitis. Three TBEV sub-types have been described: European or Western tick-borne encephalitis virus, Siberian tick-borne encephalitis virus, and Far eastern Tick-borne encephalitis virus (formerly known as Russian Spring Summer encephalitis virus, RSSEV). TEBV NS1 protein is one of the most conserved. Homology level of the NS1 protein is about 90% between TBEV strains. Tick-borne encephalitis virus causes 13,000 cases of human meningitis and encephalitis annually.

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