

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects Tick-borne Encephalitis Virus NS1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 1004134
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived Tick-borne Encephalitis Virus NS1 Amino Acids 777-1128
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

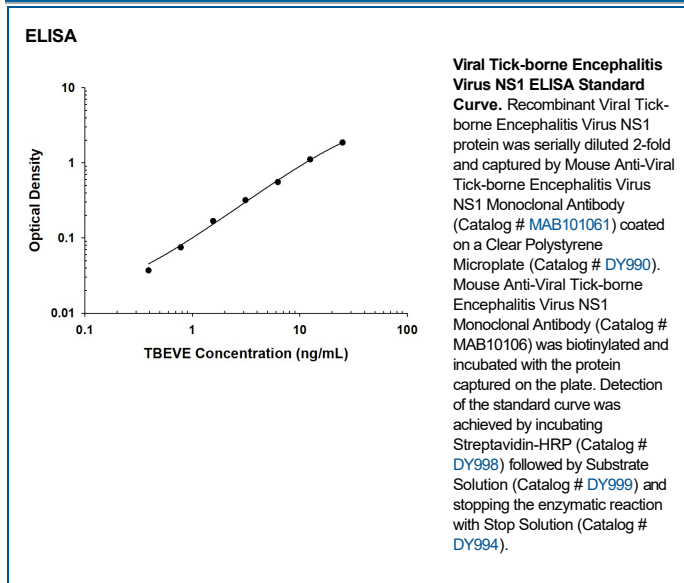
APPLICATIONS

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.

ELISA This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Viral Tick-borne Encephalitis Virus NS1 Monoclonal Antibody (Catalog # MAB101061).

This product is intended for assay development on various assay platforms requiring antibody pairs.

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 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.

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.