

Product Data Sheet

Cat # RP-1426

Tick-Borne Encephalitis Virus gE Recombinant

Size: 2 ug

TBE is caused by tick-borne encephalitis virus (TBEV), a member of the family Flaviviridae. A closely related virus in Far Eastern Eurasia, Russian spring-summer encephalitis virus (RSSEV). The family Flaviviridae includes other tick-borne viruses are closely related to TBEV and RSSEV, such as Omsk hemorrhagic fever virus & Kyasanur Forest virus. Louping ill virus is also a member of this family. 20mM MES pH 6.5, 8M urea, 200 mM NaCl and 0.05% Tween-20. Immunoreactive with sera of encephalitis virus infected individuals. Antigen in ELISA and Western blots, excellent antigen for detection of Tick-borne encephalitis virus with minimal specificity problems.

Source: The E.coli derived recombinant protein contains the Tick-borne Encephalitis Virus glycoprotein E regions, 95-229 amino acids. Purified by proprietary chromatographic technique.

Applications and Suggested Dilutions: Protein is >95% pure as determined by 10% PAGE (coomassie staining). Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Protein is shipped at ambient temperature. Upon arrival, Store at -20°C . Five years frozen. One month in solution at room temperature. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, S an Antonio, T X 7 8 24 4 , U S A;

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400 Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com