

Product Data Sheet

Cat # RP-1429

Tick-Borne Encephalitis Virus gE C-end Recombinant

Size: 100 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. Immunoreactive with sera of encephalitis virus infected individuals.

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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Source: The E.coli derived recombinant protein contains the Tick-borne Encephalitis Virus C-end regions of glycoprotein E, 296-414 amino acids. Purified by proprietary chromatographic technique. 20mM MES pH 6.5, 8M urea, 200 mM NaCL and 0.05% Tween-20.

Applications and Suggested Dilutions: Protein is >95% pure as determined by 10% PAGE (coomassie staining). Antigen in ELISA and Western blots, excellent antigen for detection of Tick-borne encephalitis virus with minimal specificity problems. 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 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

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