

Tick-Born Encephalitis Virus gE (50-250) - Purified

Catalog No.: AR10532PU-L

Quantity: 1 mg

Background: 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.

Source: E. coli

Format: **Purity:** Encephalitis protein is >95% pure as determined by 10% PAGE (coomassie staining). **Purification Method:** Encephalitis protein was purified by proprietary chromatographic technique.

Buffer System: 20mM MES pH 6.5, 8M Urea, 200mM NaCL and 0.05% Tween-20

Applications: Encephalitis antigen is suitable for ELISA and Western blots, excellent antigen for detection of Tick-borne encephalitis virus with minimal specificity problems. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: The *E.coli* derived recombinant protein contains the Tick-borne Encephalitis Virus glycoprotein E middle regions, 50-250 amino acids. Specificity: Immunoreactive with sera of encephalitis virus infected individuals.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.