Recombinant West Nile Virus (E protein) ab48960

Overview

Product name  Recombinant West Nile Virus (E protein)
Protein length  Protein fragment

Description

Nature  Recombinant
Source  Escherichia coli

Amino Acid Sequence
Additional sequence information  Tagged with six histidines.

Specifications

Our Abpromise guarantee covers the use of ab48960 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity  Immunoreactive with sera from WNV-infected individuals.
Applications  ELISA
   Western blot
Purity  > 95 % SDS-PAGE.
Form  Liquid

Preparation and Storage

Stability and Storage  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
   Preservative: None
   Constituents: 20mM PBS, pH 7.5
   This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info
Relevance

West Nile Virus (WNV) is a single-stranded RNA (positive sense) virus of the family Flaviviridae, genus Flavivirus, commonly found in Africa, West Asia and the Middle East. It causes disease that is characterized by flu-like symptoms. In a small number of cases this can develop into West Nile Encephalitis (infection of the brain and spinal cord). The viral envelope consists of envelope E and membrane M proteins. The roles of the E protein include virion assembly, recognition of cell receptors, cell endosomal membrane fusion, agglutination of red blood cells, and induction of immune responses.

Cellular localization

Cell Membrane

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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