

Product datasheet

Recombinant West Nile Virus preM protein ab49049

Description

Product name	Recombinant West Nile Virus preM protein
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Additional sequence information	Tagged with six histidines.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab49049** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. pH: 7.2 Constituent: 0.0536% PBS
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General Info

Relevance	West Nile Virus is part of the flavivirus family, many of which are capable of causing serious illness in humans. The ssRNA + strand virus is enveloped and spherical with a diameter of 40-50 nm, similar to all flaviviruses. The virion of this virus is a nucleocapsid covered by a lipoprotein envelope. The envelope contains two proteins: the protein M and glycoprotein E. The nucleocapsid is a complex of protein C and mRNA. In immature particles, there are 60 icosaedrally organized trimeric spikes on the surface. Each spike consists of three heterodimers of envelope protein M precursor (prM) and envelope protein E. Inside cells, viral particles will
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contain a preM particle and E in a complex that matures through proteolytic cleavage and processing in the Golgi apparatus. WNV has three different effects on humans, the first is asymptomatic infection; the second is a mild febrile syndrome termed West Nile Fever; the third is a neuroinvasive disease termed West Nile meningitis or encephalitis. In infected individuals the ratio between the three states is roughly 110:30:1. The main route of human infection is through the bite of an infected mosquito.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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