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# Recombinant West Nile Virus Envelope Protein

**Catalog # PBV11545r**

## Specification

### Recombinant West Nile Virus Envelope Protein - Product info

| | |
|---|---|
| Calculated MW | **12 kDa KDa** |

### Recombinant West Nile Virus Envelope Protein - Additional Info

| | |
|---|---|
| Gene Source | **West Nile virus** |
| Source | **E. coli** |
| Assay&Purity | **SDS-PAGE;> 95%** |
| Recombinant | **Yes** |

**Target/Specificity**
N/A

**Format**
Liquid

**Storage**
-20°C;In 20 mM Phosphate buffer pH 7.5

### Recombinant West Nile Virus Envelope Protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Recombinant West Nile Virus Envelope Protein - Images

### Recombinant West Nile Virus Envelope Protein - Background

West Nile virus (WNV) is a virus of the family Flaviviridae part of the Japanese encephalitis (JE) antigenic complex of viruses. Image reconstructions and cryoelectron microscopy reveal a 45-50 nm virion covered with a relatively smooth protein surface. This structure is similar to virus; both belong to the genus flavivirus within the family Flaviviridae. WNV is a positive-sense, single strand of RNA, it is between 11,000 and 12,000 nucleotides long which encode seven non-structural proteins and three structural proteins. The RNA strand is held within a nucleocapsid formed from 12 kDa protein blocks; the capsid is contained within a host-derived membrane altered by two viral glycoproteins.