## Description

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Recombinant West Nile Virus (E protein)</td>
</tr>
<tr>
<td><strong>Biological activity</strong></td>
<td>Immunoreactive with sera from WNV-infected individuals.</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>&gt; 95% SDS-PAGE</td>
</tr>
<tr>
<td><strong>Expression system</strong></td>
<td><em>Escherichia coli</em></td>
</tr>
<tr>
<td><strong>Protein length</strong></td>
<td>Protein fragment</td>
</tr>
<tr>
<td><strong>Animal free</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Nature</strong></td>
<td>Recombinant</td>
</tr>
<tr>
<td><strong>Tags</strong></td>
<td>His tag C-Terminus</td>
</tr>
<tr>
<td><strong>Additional sequence information</strong></td>
<td>Tagged with six histidines.</td>
</tr>
</tbody>
</table>

## 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.

### Applications

- ELISA
- Western blot

### 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.

- pH: 7.2
- Constituent: 0.0536% PBS

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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

---

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

---

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors