

## Product datasheet

# Anti-West Nile Virus preM antibody ab25888

### 3 References

#### 概述

产品名称	Anti-West Nile Virus preM抗体
描述	兔多克隆抗体to West Nile Virus preM
经测试应用	适用于: ELISA, ICC/IF, Functional Studies
种属反应性	Reacts with West Nile Virus. Not yet tested in other species.
免疫原	Synthetic peptide corresponding to 15 amino acids near the middle of the West Nile Virus Matrix precursor protein.

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab25888** in the following tested applications.

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

应用	Ab 评论	说明
ELISA		Use at an assay dependent dilution. This polyclonal antibody can be used for the detection of the WNV Matrix precursor protein in ELISA. It will detect 10 ng of free peptide at 1 µg/ml.
ICC/IF		Use at an assay dependent dilution. PubMed: 17634508

应用	Ab 评论	说明
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Functional  
Studies

Use at an assay dependent concentration. PubMed: 21697345

## 靶标

### 相关性

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 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.

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