

AR00156PU-N**West Nile Virus Pre-M Protein (N-term) - Purified**

Alternate names:	Genome polyprotein antibody, WNVgp1 antibody, West Nile virus antibody, pre M protein antibody
Quantity:	0.1 mg
Concentration:	1,0 mg/ml
Background:	<p>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.</p> <p>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 icosadially 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.</p> <p>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.</p>
Source:	E. coli
Format:	State: Liquid purified protein Purity: 95% pure (SDS-PAGE) Buffer System: 20mM Phosphate buffer, pH 7.5
Applications:	ELISA. Western blot. Lateral flow. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Recombinant West Nile Virus Pre-M Protein, N-terminal. N-terminal part of the Pre-M protein immunodominant region. Contains 6 histidines fusion sequence. Molecular weight approximately 20kDa. Reacts with human West Nile Virus positive serum.
Storage:	Store the protein undiluted at 2-8°C for one month or (in aliquots) at -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.