

WEST NILE VIRUS Recombinant Protein

RECOMBINANT WEST NILE VIRUS NS1 ANTIGEN

CATALOG # AAA50546	APPLICATIONS ELISA
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PRODUCT SYNONYMS

WEST NILE VIRUS; RECOMBINANT WEST NILE VIRUS NS1 ANTIGEN; West Nile Virus; WEST NILE VIRUS recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>95% by SDS PAGE
Form/Format	Purified recombinant protein - liquid
Concentration	Approximate Protein Concentration: 0.49 mg/ml (varies by lot)
Applicable Applications for WEST NILE VIRUS recombinant protein	ELISA
Product Type	Recombinant Protein
Preparation	Recombinant West Nile virus NS1 protein, sequence strain NY99, expressed in 293 human cells
Buffer Solution	Dulbecco's phosphate buffered saline
Target Species	Viral
Preservative Stabilizers	None present
Preparation and Storage	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch. Shipping: Ships with dry ice.

ADDITIONAL INFORMATION

Related Product Information for WEST NILE VIRUS recombinant protein	Recombinant West Nile Virus NS1 Antigen is a purified preparation of the West Nile virus non-structural protein 1 (NS1). West Nile Virus (WNV), also known as West Nile Fever, is primarily a mosquito borne virus belonging to the Flaviviridae family. In humans the majority of infections are subclinical with patients experiencing either no or very mild symptoms, however a minority of infections result in severe disease, which may result in fatal encephalitis. Originating in Africa, WNV was, until recently, not a significant disease of humans. Since the late 1990's the virus has spread widely to other continents and is now an endemic pathogen in the temperate and tropical regions throughout the world. WNV infection is now considered a serious health concern in North America (Lindsey et al. 2014). WNV is a zoonotic disease with an avian wildlife reservoir to which passerine and more specifically, corvid species appear to be particularly susceptible with high recorded mortality rates (Abdelrazec et al. 2014). In addition to the human health concerns and the effect on North American avian species populations (Wheeler et al. 2011), WNV is also of potential concern in domestic mammals, in particular to equine species where mortality rates are high (Agenvoort et al. 2013). Fatal cases of West Nile have also been noted in other species including non-human primates, bats and cetaceans. While the primary route of infection is via mosquitoes there is some evidence that infection may also occur from other invertebrate species such as ticks, however further research is required in this area. Recombinant West Nile virus NS1 antigen is presented in its native folded state complete with post-translational modifications, delivering optimal antigenicity and making it suitable for use in vaccine research and serology-based assays.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/west-nile-virus-recombinant-protein-elisa/50546>