

West Nile Virus E Active Protein

West Nile Virus E protein (His tag)

CATALOG # AAA24010	HOST E.coli	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

West Nile Virus E; West Nile Virus E protein (His tag); E antigen; E protein; WNVE; WNV E protein; Envelope protein; Envelope protein E; Genome polyprotein; Major envelope protein E; WNV envelope protein; WNVgp1 protein; West Nile Virus E active protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95% pure
Form/Format	Liquid in 20mM phosphate buffer, pH 8.0 with 1M NaCl, 0.1% polyoxyethylene (10) tridecylether and 6M urea.
Concentration	1.904 mg/ml (varies by lot)
Applicable Applications for West Nile Virus E active protein	ELISA, WB (Western Blot)
Application Notes	ELISA : 1:2000
Residues	E antigen expressed as a recombinant antigen fused to a his-tag at the N-terminal.
Protein Type	Recombinant
Biological Significance	West Nile virus (WNV) is a mosquito-borne zoonotic arbovirus belonging to the genus Flavivirus in the family Flaviviridae. It was first identified in the West Nile sub region in the East African nation of Uganda in 1937. The main mode of WNV transmission is via various species of mosquitoes which are the prime vector, with birds being the most commonly infected animal and serving as the primer reservoir. Approximately 80% of West Nile virus infections in humans are subclinical. Less than 1% of the cases is severe and result in neurological disease when the central nervous system is affected. The transmission methods are through blood transfusion, organ transplant, intrauterine exposure, and breast feeding.
Bioactivity	Immunoreactive with sera of WNV-infected individuals
Tag/Conjugate	His tag
Species	Viral
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Upon receipt store at -20°C to -80°C. Avoid repeat freeze-thaws.

ADDITIONAL INFORMATION

Related Product Information for West Nile Virus E active protein	Purified recombinant West Nile Virus E protein (His tag)
Product Categories/Family for West Nile Virus E active protein	Infectious Disease ; Conjugated Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	19.5 kDa
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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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/west-nile-virus-e/24010>