

Reliable Tools for WNV Research: NS1 Antigen Quantitative Detection Kit

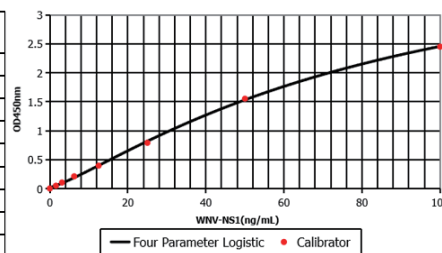
The West Nile virus (WNV) Non-Structural Protein 1 (NS1) is a critical secreted glycoprotein and an early marker of active viral replication, making it a key target for virology research and therapeutic development. **Creative Diagnostics' WNV NS1 Antigen ELISA Kit (DEIAY10297) is a high-quality sandwich immunoassay designed for the precise and reliable quantification of the NS1 antigen in serum, plasma, and cell culture supernatants.** It delivers excellent analytical performance, providing researchers with robust and reproducible results. This kit is an essential and trusted tool for advancing WNV research, enabling studies in viral pathogenesis, antiviral agent screening, and vaccine development.

Highlights

- **High Sensitivity:** Detection limit as low as 0.43 ng/mL.
- **Wide Detection Range:** 1.56-100 ng/mL.
- **Excellent Precision:** Intra- and inter-assay CV <10%.
- **High Accuracy:** Serum spike recovery rates of 81%-90%.
- **High Specificity:** Specific antibody pair targeting WNV NS1.
- **Multiple Sample Types:** Compatible with serum, plasma, and cell culture supernatants.
- **User-friendly Protocol:** Ready-to-use reagents and an optimized procedure.
- **Rapid Workflow:** Obtain results in approximately 2.5 hours.

Performance Data

STD.(ng/mL)	OD450	
100	2.4583	2.4447
50	1.5193	1.5846
25	0.7788	0.8061
12.5	0.3967	0.4002
6.25	0.2074	0.2202
3.125	0.1145	0.0978
1.5625	0.0493	0.0534
0	0.0045	0.0051
R ²	0.999	



Product List

Cat. No.	Product Name	Application
DEIAY10297	West Nile virus NS1 Antigen ELISA Kit	Quantitative