

Anti-NS1 [22NS1] Standard Size Ab00675-2.0

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: 22NS1

Alternative Name(s) of Target: Flavivirus nonstructural protein 1; WNV NS1

UniProt Accession Number of Target Protein:

Published Application(s): crystallography, NTRL, FC

Published Species Reactivity: West Nile Virus

Immunogen: A recombinant, secreted form of West Nile virus (WNV) NS1 glycoprotein from baculovirus-infected insect cells.

Specificity: This antibody binds to the NS1 protein (aa 158 to 352) of WNV lineage I (New York strain 3000.0259) and lineage II WNV (956). No reactivity to Dengue virus-2 (16681) was observed.

Application Notes: This antibody binds the NS1 protein and has a protective function in a C57BL/6 mouse-model . NS1 binds several complement proteins (C1q, C1s, and C4) and regulators (factor H, C4 binding protein, and clusterin)and antagonizes their functions

Antibody First Published in: Chung et al. Antibodies against West Nile Virus Nonstructural Protein NS1 Prevent Lethal Infection through Fc γ Receptor-Dependent and -Independent Mechanisms J Virol. 2006 Feb; 80(3): 1340–1351 [PMID:16415011](#)

Note on publication: Describes the generation and characterization of protection of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.