

Nonstructural Protein 1 (NS1) with N-terminal Histidine Tag from Zika Virus, Recombinant from Baculovirus

Catalog No. NR-50872

This reagent is the tangible property of the U.S. Government.

Product Description: A recombinant form of the Zika NS1 protein containing an N-terminal histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and was purified by immobilized-metal affinity chromatography.

Lot: 70008299

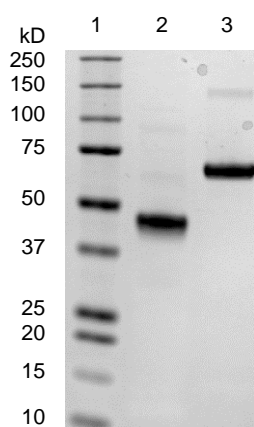
Manufacturing Date: 12APR2018

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 45 kDa accounts for > 90% of total staining intensity (Figure 1)
Identification by Western Blot Analysis Monoclonal anti-histidine tag ¹	Reactive	Reactive (Figure 2)
Concentration by Bradford Assay ²	Report results	256 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	102 µg 400 µL
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	41.79 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹R & D Systems® Cat. No. MAB050 (IgG1) (1:1000 dilution)

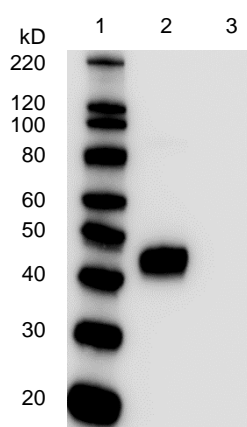
²Using BSA as a standard

Figure 1: SDS-PAGE



Lane 1: MagicMark™ XP Protein Standard
Lane 2: NR-50872, 1.0 µg
Lane 3: BSA, 1.0 µg

Figure 2: Western Blot with Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard
Lane 2: NR-50872, 0.5 µg
Lane 3: BSA, 0.5 µg

/Heather Couch/

Heather Couch

22 AUG 2018

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