

Product Datasheet

Zika Virus NS1 Antibody (B4) - (Uganda/Suriname), Chimeric - Azide and BSA Free NBP3-14840-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-14840-0.1mg

Zika Virus NS1 Antibody (B4) - (Uganda/Suriname), Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	B4
Preservative	No Preservative
Isotype	IgM
Purity	Affinity purified
Buffer	PBS pH 7.4

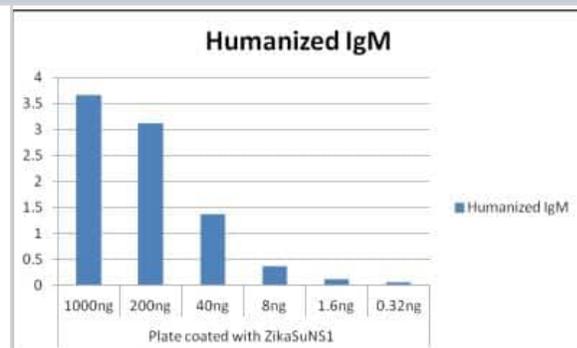
Product Description	
Description	Novus Biologicals Human Zika Virus NS1 Antibody (B4) - (Uganda/Suriname), Chimeric - Azide and BSA Free (NBP3-14840) is a recombinant monoclonal antibody validated for use in ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Human
Species	Virus
Reactivity Notes	Zika
Specificity/Sensitivity	This monoclonal antibody is specific for the NS1 protein of Zika virus, detecting NS1 from both the Uganda and Suriname strains. It demonstrates negligible cross-reactivity with NS1 proteins from Dengue virus (all serotypes), Japanese Encephalitis Virus and Yellow Fever Virus. A small amount of cross-reactivity has been observed with the NS1 protein from West Nile Virus in a direct ELISA.
Immunogen	Full length recombinant NS1 protein of Zika virus produced in HEK293 cells

Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA
Application Notes	The antibody is designed to provide a control for assays in which human serum is tested for antibodies specific for Zika NS1 protein, which will result from the immune response following an infection with Zika virus. The antibody has been tested in ELISA using recombinant Zika NS1 protein as the target antigen.

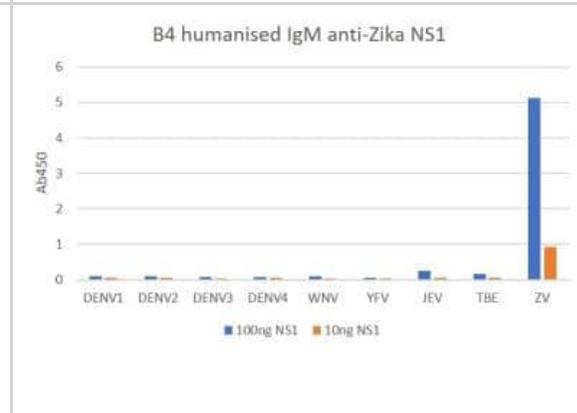


Images

ELISA: Zika Virus NS1 Antibody (B4) - (Uganda/Suriname), Chimeric [NBP3-14840] - An ELISA plate was coated with 2ug/ml of NS1 antigen per well, then blocked with 5% BSA. Primary antibody was titrated as shown in the figure below, starting from a concentration of 1ug/ml, and the detection antibody used was Goat anti-human IgM:HRP (1:8000). The substrate used was TMB (KPL).



ELISA: Zika Virus NS1 Antibody (B4) - (Uganda/Suriname), Chimeric [NBP3-14840] - An ELISA plate was coated with 10ng and 100ng of NS1 antigen per well, then blocked with 1% BSA. Primary antibody was used at a concentration of 1ug/ml, and the detection antibody used was Goat anti-mouse IgG:HRP (1:2000). The substrate used was TMB (KPL). The assay confirmed high specificity for Zika virus NS1; there was no cross-reactivity with NS1 from Dengue virus serotypes 1-4 (DENV), West Nile virus (WNV), Yellow Fever virus (YFV), Japanese Encephalitis virus (JEV) and Tick-borne Encephalitis virus (TBE).





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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