ARG65781
anti-Zika virus NS1 antibody [SQab1609]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SQab1609] recognizes Zika virus NS1
Tested Reactivity	Virus
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	This Zika virus NS1 antibody specifically reacts to Zika virus NS1 protein and do not cross-react to DENV and CHIKV tested by ELISA. And a paper published by Bollweg BC et al, 2017 also validated that this antibody do not cross-react to other flaviviruses and chikungunya virus by IHC-P samples.
Host	Mouse
Clonality	Monoclonal
Clone	SQab1609
Isotype	IgG1
Target Name	Zika virus NS1
Species	Virus
Immunogen	Zika virus NS1
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
ELISA	1:3000 - 1:10000
FACS	1:400 - 1:1000
ICC/IF	1:200 - 1:1000
IHC-Fr	Assay-dependent
IHC-P	Assay-dependent
WB	1:1000 - 1:5000

Application Note

ELISA: The antibody can be used as capture antibody in sandwich ELISA for Zika virus NS1 detection in combination with ARG65783 anti-Zika virus NS1 antibody [SQab1610] (Biotin) as detection antibody.

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

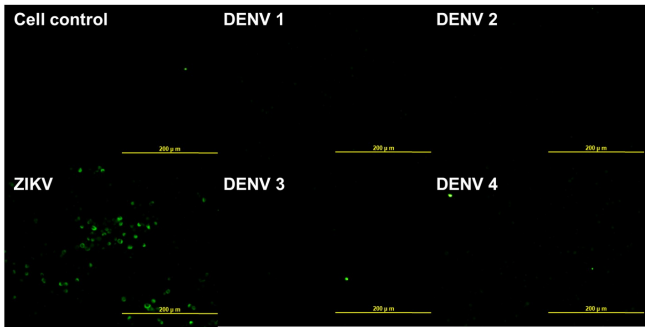
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4) and 0.01% Thimerosal.

Preservative	0.01% Thimerosal.
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

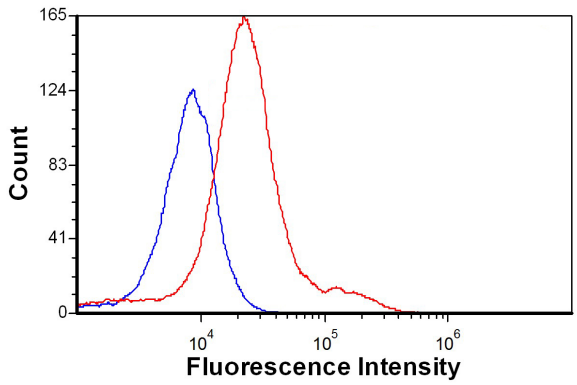
Gene Full Name	Zika virus nonstructural protein 1
Background	The mosquito-borne Zika virus (ZIKV) is prompting worldwide concern due to its connection to neurological disorders including microcephaly. Zika virus belongs to the flavivirus family which encompasses Dengue, yellow fever, West Nile and more different viruses. The connection of neurological disorders creates a need for further research into the ZIKV infection and therapeutic approaches. For more ZIKA virus antibody and ZIKA virus antibody Duo products, please refer to Choose the Best ZIKA Virus Antibodies
Highlight	Related Antibody Duos and Panels: ARG30277 Zika virus NS1 ELISA Duo Related products: Zika virus antibodies; Zika virus Duos / Panels; Anti-Mouse IgG secondary antibodies; Related news: Choose the Best ZIKA Virus Antibodies Best Zika Virus antibodies cited by CDC & A*STAR Exploring Antiviral Immune Response

Images



ARG65781 anti-Zika virus NS1 antibody [SQab1609] ICC/IF image

Immunofluorescence: ARG65781 anti-Zika virus NS1 antibody [SQab1609] (1:400) were used for detecting ZIKV NS1.

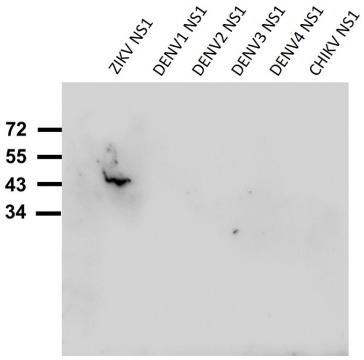


ARG65781 anti-Zika virus NS1 antibody [SQab1609] FACS image

Flow Cytometry: Zika virus NS1 expressing plasmid transfected (red) or non-transfected (blue) 293T cells stained with ARG65781 anti-Zika virus NS1 antibody [SQab1609] at 1:1000 dilution.

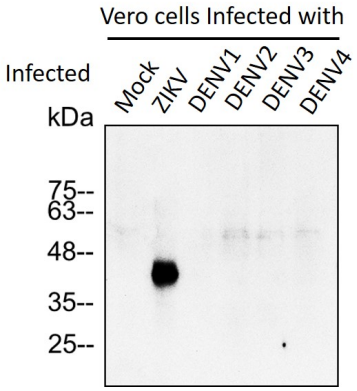
ARG65781 anti-Zika virus NS1 antibody [SQab1609] WB image

Western blot: 20 µg of 293T cell lysates transfected with 1) control plasmid or 2) Zika virus NS1 expression plasmid. The blots were stained with ARG65781 anti-Zika virus NS1 antibody [SQab1609] at 1:5000 dilution.



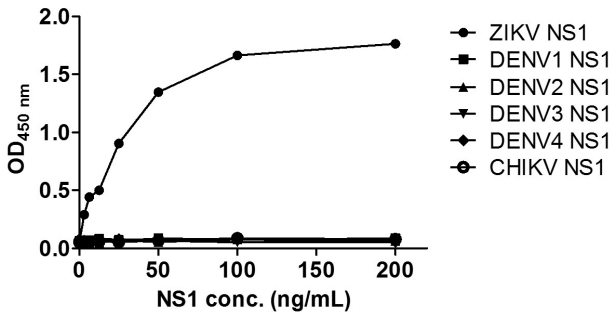
ARG65781 anti-Zika virus NS1 antibody [SQab1609] WB image

Wetern blot: 100 ng of 1) ZIKV NS1 (Purified from E.coli), 2) DENV1 NS1 (Purified from 293 cell), 3) DENV2 NS1 (Purified from 293 cell), 4) DENV3 NS1 (Purified from 293 cell), 5) DENV4 NS1 (Purified from 293 cell), and 6) CHIKV NS1 (Purified from 293 cell) stained with ARG65781 anti-Zika virus NS1 antibody [SQab1609] at 1:5000 dilution.



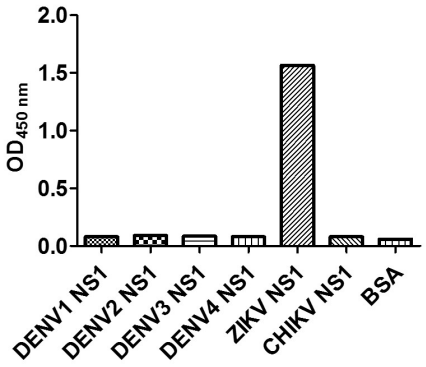
ARG65781 anti-Zika virus NS1 antibody [SQab1609] WB image

Western blot: 10 µg of Vero cells Infected with 1) Mock, 2) ZIKV, 3) DENV1, 4) DENV2, 5) DENV3 and 6) DENV 4. Cell lysates were stained with ARG65781 anti-Zika virus NS1 antibody [SQab1609] at 1:2000.



ARG65781 anti-Zika virus NS1 antibody [SQab1609] & ARG65783 anti-Zika virus NS1 antibody [SQab1610] (Biotin) ELISA image

ELISA: 293 cells expressed DENV1-4, CHIKV NS1 protein and E.coli expressed ZIKV NS1 protein detected by ARG65781 anti-Zika virus NS1 antibody [SQab1609] as capture antibody (5 µg/ml), and ARG65783 anti-Zika virus NS1 antibody [SQab1610] (Biotin) (1 µg/ml) as detection antibody, followed by incubation with streptavidin-HRP.



ARG65781 anti-Zika virus NS1 antibody [SQab1609] ELISA image

ELISA: ARG65781 anti-Zika virus NS1 antibody [SQab1609] (1:5000) were used for detecting ZIKV NS1. Each protein (1 µg/ml) were coated onto ELISA plate.