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ARG70634
Sin Nombre Virus nucleocapsid peptide

Package: 50 µg
Store at: -20°C

Summary

Product Description	The peptide is used for blocking the activity of anti-Sin Nombre Virus nucleocapsid antibody ARG46770
Tested Application	BL
Target Name	Sin Nombre Virus nucleocapsid
A.A. Sequence	19 amino acids near the center of the Sin Nombre virus nucleocapsid.

Application Instructions

Application table

Application	Dilution
BL	Assay-dependent

Application Note: This peptide usually blocks anti-Sin Nombre Virus nucleocapsid antibody ARG46770 activity completely by incubating the peptide with equal volume of antibody for 30 min at at 37°C.

Properties

Form	Liquid
Buffer	PBS (pH 7.2), 0.02% sodium azide and 0.1% BSA
Concentration	200 µg/ml
Storage instruction	Store peptide at -20°C, stable for one year. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background: Sin Nombre virus (SNV) is a rodent-borne hantavirus of the family Bunyaviridae, an enveloped, negative-sense RNA viruses with a tripartite genome that can cause hantavirus pulmonary syndrome (HPS) (1). The hantavirus nucleocapsid protein plays several roles in viral replication and assembly, and is the major antigen in humoral responses in humans and mice (2). Within the bunyviridae family, the nucleocapsid protein also functions as an RNA chaperone facilitating the formation of the stable genomic RNA “panhandle” and is thought to aid in the replication of bunyavirus RNA (3).