

ARG70632 Sin Nombre Virus Glycoprotein 1 peptide

Package: 50 µg
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | The peptide is used for blocking the activity of anti-Sin Nombre Virus Glycoprotein 1 antibody ARG46768 |
| Tested Application | BL |
| Target Name | Sin Nombre Virus Glycoprotein 1 |
| A.A. Sequence | 19 amino acids near the amino terminus of the Sin Nombre virus glycoprotein. |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-----------------|
| | BL | Assay-dependent |

Application Note This peptide usually blocks anti-Sin Nombre Virus Glycoprotein 1 antibody [ARG46768](#): activity completely by incubating the peptide with equal volume of antibody for 30 min at at 37°C.

Properties

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|---------------------|---|
| 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). Hantavirus glycoprotein precursor (GPC) is posttranslationally cleaved into two glycoproteins G1 (Gn) and G2 (Gc). The G1 glycoprotein is thought to be degraded by the host autophagy machinery, and this autophagic clearance is required for efficient virus replication (2).