ARG70637
Puumala Virus Glycoprotein peptide

Package: 50 µg
Store at: -20°C

Summary

Product Description	The peptide is used for blocking the activity of anti-Puumala Virus Glycoprotein antibody ARG46773
Tested Application	BL
Target Name	Puumala Virus Glycoprotein
A.A. Sequence	19 amino acids near the amino terminus of the Puumala virus glycoprotein.

Application Instructions

Application table

Application	Dilution
BL	Assay-dependent

Application Note: This peptide usually blocks anti-Puumala Virus Glycoprotein antibody ARG46773 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: Puumala virus (PUUV) 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) and is highly homologous to the protype hantavirus Hantaan virus (1). Like other hantaviruses, the PUUV glycoprotein is synthesized as a precursor that is posttranslationally processed into two glycoproteins G1 (Gn) and G2 (Gc). These glycoproteins interact with the PUUV nucleocapsid (NP) protein through their cytoplasmic tail, and this association has been suggested to be crucial to the binding of the ribonucleoprotein of the PUUV and the assembly of the virus particle (2).