Product Name: **InVivoMAb Anti-Nipah virus/NiV Glycoprotein G Antibody (SAA2190)**
Catalog #: **AMRe60129**
For research use only.

Summary

Description	Recombinant human monoclonal antibody
Host	Human
Application	ELISA, Neutralization
Reactivity	Nipah virus (NiV)
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	0.01M PBS, pH 7.4.
Purification	Protein A/G purified from cell culture supernatant.

Application

Dilution Ratio	ELISA 1:5000-1:20000
Molecular Weight	

Antigen Information

Gene Name	Glycoprotein G
Alternative Names	Glycoprotein, G
Gene ID	
SwissProt ID	Q4VCP5
Immunogen	

Background

Nipah virus (NiV), a highly pathogenic zoonotic paramyxovirus, mediates host cell entry through the coordinated action of two envelope glycoproteins: the attachment glycoprotein (G), which engages the host cell receptors ephrin-B2 and ephrin-B3, and the fusion glycoprotein (F), which drives membrane fusion following receptor binding. These viral surface proteins, along with

the viral RNA-dependent RNA polymerase (RdRp) complex comprising the nucleoprotein (N), phosphoprotein (P), and large polymerase protein (L), constitute the primary molecular targets for therapeutic intervention and vaccine development. The conserved receptor-binding interface of the G protein and the fusion machinery of the F protein represent particularly attractive targets for neutralizing antibodies and entry inhibitors, while the viral replication machinery offers potential targets for broad-spectrum antiviral compounds targeting paramyxovirus transcription and replication.

Research Area

Microbiology&Infectious Disease