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Andes Virus Glycoprotein Gn Head Neutralizing Antibody

Catalog Number:	360101, 360102
Size:	25 µg, 100 µg
Target Name:	Andes virus glycoprotein Gn head, ANDV Gn, ANDV G1 glycoprotein, ANDV envelope glycoprotein Gn
Regulatory Status:	RUO

PRODUCT DETAILS

Clone:	ANDVAB
Application:	ELISA, Neutralization
Reactivity:	Andes Virus
Format:	Purified
Isotype:	Rabbit IgG
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Protein Concentration:	0.5 mg/mL
Storage&Handling:	The antibody solution should be stored between 2°C and 8°C
Isotype Controls:	303301
Antibody Family:	Andes Virus Antibodies
RRID:	AB_3759596

BACKGROUND INFORMATION

Andes virus (ANDV) is an enveloped negative-sense RNA virus belonging to the genus Orthohantavirus within the family Hantaviridae. Andes virus is one of the major causative agents of hantavirus cardiopulmonary syndrome (HCPS) in South America and is notable for its documented human-to-human transmission capability.

The viral surface glycoprotein precursor (GPC) is proteolytically processed into the Gn and Gc envelope glycoproteins, which mediate viral attachment, host-cell entry, membrane fusion, and immune recognition. The Gn head domain is highly exposed on the virion surface and serves as a major target for neutralizing antibodies. Recombinant Andes Virus Gn Head Protein is widely used in antiviral antibody discovery, vaccine research, serological assay development, epitope mapping, and structural biology studies.