9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-8121: Anti-Andes Virus (Hantavirus) (Clone: ANDV-44)

Clonality :	Monoclonal
Clone Name :	ANDV-44
Application :	ELISA
Alternative Name :	Hantavirus, Orthohantavirus, ANDV
Isotype :	Human IgG1
Immunogen Information :	This human monoclonal antibody clone ANDV-44 was generated as part of a panel using a B cell hybridoma method from an individual previously infected with ANDV.

Description

Reactivity Species : Andes virus-Hantavirus-Virus
Expression Host : HEK-293
Endotoxin Leve : I≤ 1.0 EU/mg as determined by the LAL method
Specificity : Clone ANDV-44 competes for binding to a distinct site on the ANDV surface glycoprotein spike, a tetrameric complex composed of Gn and Gc envelope proteins. Furthermore, antibody ANDV-44 recognizes antigenic site C1 but does not show reactivity to soluble Gc or Gn proteins and may bind to a target site only present in the quaternary spike structure.
Background : Hantavirus or Andes Virus is an enveloped, negative-sensed, single-stranded RNA virus in the bunyavirus family1. “New World” hantaviruses (NWH) are found in the Americas and may cause hantavirus pulmonary syndrome (HPS). “Old World” hantaviruses (OWH) are found mainly in Europe and Asia and may cause hemorrhagic fever with renal syndrome. Each hantavirus serotype has a specific rodent host species, and infection is spread primarily by aerosolized feces, urine, or saliva, with the exception of Andes Virus (ANDV) which is also capable of human-to-human transmission. ANDV, a NWH found in South America, has a high fatality rate of up to 40%. Clinical research shows that high titers of neutralizing antibodies in patient serum correlate with increased survival7, and monoclonal antibodies (mAbs), including ANDV-44, isolated from HPS survivors protect Syrian hamsters from ANDV postinfection.;

Product Info

Amount :	100 µg
Purification :	≥90% monomer by analytical SEC and SDS-Page
Content :	1.0 mg/ml. This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	This antibody may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C.

Application Note

ELISA

For Research Use Only. Not for use in diagnostic/therapeutics procedures.