

Catalog Number	HNM-6051AX1-5
Product Name	Anti-Nucleoprotein of Hantaan Virus (HTNV). IgG fraction monoclonal antibody. Clone 5H7/G5
Temperature	-20°C
Unit	100µg
Availability	Available
Category	Infectious Agents
Subcategory	Hantavirus
Description	Mouse monoclonal antibody IgG fraction (clone 5H7/G5) obtained by immunizing mice with purified recombinant HTNV Nucleoprotein. The IgG fraction was purified using Protein G-Sepharose.
Isotype	IgG-2b
Mol Weight	N/A
Purity	N/A
Storage	Store at -20°C.
Stability	Stable at least one year at -20°C. Avoid repeated freezing and thawing.
Biological Activity	This antibody can be used in ELISA (1:1,000 dilution) and Western blot (1:8,000 dilution) analysis. It recognizes specifically the nucleoprotein of HTNV. Hantaviruses (family Bunyaviridae) are enveloped viruses that contain a tripartite, negative-stranded RNA genome encoding an RNA-dependent RNA polymerase (L), two integral membrane glycoproteins (G1 and G2), and a nucleocapsid (N) protein. The N protein is the most abundant viral component and the major antigen in early serological response in humans and mice. It has essential functions in viral RNA replication, encapsidation, and also in virus assembly. HTNV is a causative agent of severe hemorrhagic fever mainly in China and it is transmitted by the rodent <i>Apodemus agrarius</i> .
Formulation	Solution at 1.0 mg/mL in PBS. Some of the liquid in the vial could have evaporated with changes in the final volume. However, the mass of the protein is still inside the vial.
References	Zou, Y. et al. (2008) J. Gen. Virol. 89, 1987-1997 Yan, L. et al (2007) Emerg. Infect. Dis. 13, 1301-1306- Severson, W. E. et al. (2001) J. Virol. 75, 2646-2652. Schmaljohn, C.S. et al. (1986) Virology 155, 633-643.



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