Product datasheet

anti-Hantavirus Puumala mouse monoclonal, A1C5, Peroxidase Conjugate

Short overview

Cat. No.	A1C5-POD
Quantity	200 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	A1C5
Immunogen	Recombinant Puumala nucleocapsid protein
Formulation	PBS with BSA and 0.001% thimerosal
Note	Centrifuge prior to opening
Conjugate	Peroxidase/HRP
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA
Reactivity	Puumala virus-infected cells

Applications

ELISA	1:50

Background

A1C5 reacts with an epitope present on the N-terminus (between aa 15 and 35) of the nucleocapsid protein (S segment) of hantavirus CG 18-20 strain (Puumala serotype)
and also cross-reacts with SNV (Sin Nombre virus) rN protein (Schmidt et al. 2005).

Schmidt, J., Meisel, H., Hjelle, B., Krueger, D. H. & Ulrich, R. Development and evaluation of serological assays for detection of human hantavirus infections caused by Sin Nombre virus. J. Clin. Virol. Off. Publ. Pan Am. Soc. Clin. Virol. 33, 247-53 (2005).

Product images



anti-Hantavirus Puumala mouse monoclonal, A1C5, Peroxidase Conjugate

References

Publication	Species	Application
HÃ¤gele, S. et al. Motility of human renal cells is disturbed by infection with pathogenic hantaviruses. BMC.Infect.Dis. 18, 645 (2018)	Hantavirus Hantaan,Hantavirus Puumala	IF,WB
KrautkrÃ¤mer, E. & Zeier, M. Hantavirus Causing Hemorrhagic Fever with Renal Syndrome Enters from the Apical Surface and Requires Decay-Accelerating Factor (DAF/CD55). J. Virol. 82, 4257-4264 (2008).	Hantavirus Puumala	WB
Meisel, H. et al. Development of novel immunoglobulin G (IgG), IgA, and IgM enzyme immunoassays based on recombinant Puumala and Dobrava hantavirus nucleocapsid proteins. Clin. Vaccine Immunol. 13, 1349-57 (2006).	Hantavirus Puumala	WB
Zoller, L. G., Yang, S., Got, P., Bautz, E. K. F. & Darai5, G. A Novel Âµ-Capture Enzyme-Linked Immunosorbent Assay Based on Recombinant Proteins for Sensitive and Specific Diagnosis of Hemorrhagic Fever with Renal Syndrome. J. Clin. Microbiol. 31, 1194-	Hantavirus Puumala	ELISA