

Product datasheet

anti-Hantavirus Puumala mouse monoclonal, A1C5, purified

Short overview

Cat. No.	A1C5-P
Quantity	100 µg
Concentration	100 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	A1C5
Immunogen	Recombinant Puumala nucleocapsid protein
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Puumala virus-infected cells

Applications

Immunocytochemistry (ICC)	1:50
Immunohistochemistry (IHC) - frozen	Assay dependent
Western Blot (WB)	Assay dependent

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



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References

Publication	Species	Application
KrautkrÄmmer, 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
HÄngele, 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
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 Äµ-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