

## Product datasheet

### anti-Hantavirus Puumala mouse monoclonal, A1C5, supernatant

#### Short overview

<b>Cat. No.</b>	A1C5-C
<b>Quantity</b>	400 µl

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	A1C5
<b>Immunogen</b>	Recombinant Puumala nucleocapsid protein
<b>Formulation</b>	Contains 0.09% sodium azide
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, WB
<b>Reactivity</b>	Puumala virus-infected cells

#### Applications

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

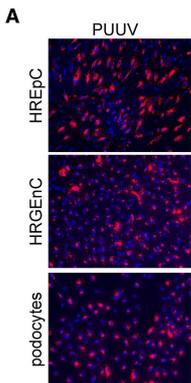
and also cross-reacts with SNV (Sin Nombre virus) rN protein (Schmidt et al. 2005).

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).

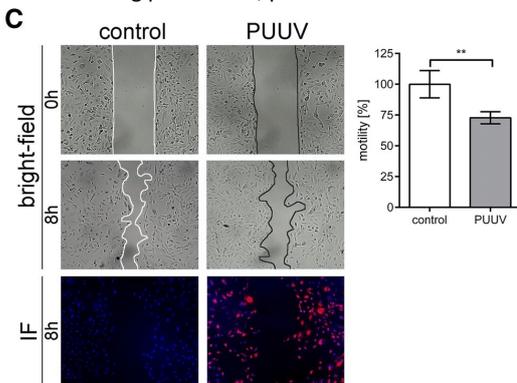
## Product images



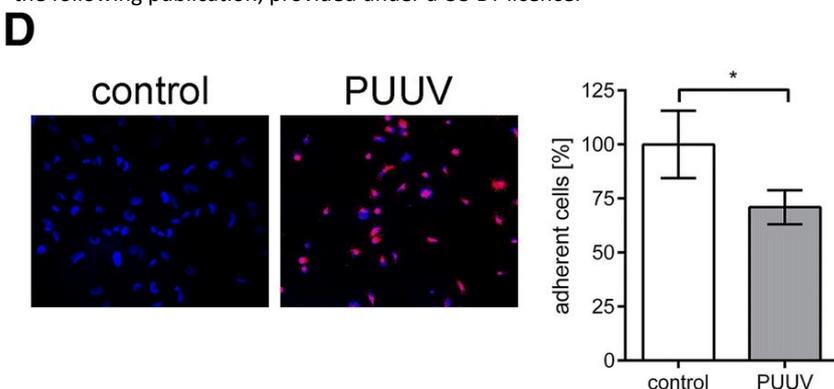
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[HÄngele, S., MÄßler, A., et al. Motility of human renal cells is disturbed by infection with pathogenic hantaviruses. BMC Infect Dis. 2018-12-12.](#)  
Species/Reactant: Homo sapiens (Human) Applications: Immunocytochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



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## References

Publication	Species	Application
<a href="#">HÄgele, S. et al. Motility of human renal cells is disturbed by infection with pathogenic hantaviruses. BMC.Infect.Dis. 18, 645 (2018)</a>	Hantavirus Hantaan,Hantavirus Puumala	IF,WB
<a href="#">KrautkrÄmer, E. &amp; 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).</a>	Hantavirus Puumala	WB
<a href="#">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).</a>	Hantavirus Puumala	WB
<a href="#">Zoller, L. G., Yang, S., Got, P., Bautz, E. K. F. &amp; Darai, G. A Novel µ-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-</a>	Hantavirus Puumala	ELISA