

## Product datasheet

### anti-AAV2 Replicase mouse monoclonal, 303.9, lyophilized, purified

#### Short overview

<b>Cat. No.</b>	61069
<b>Quantity</b>	50 µg
<b>Concentration</b>	50 µg/ml after reconstitution with 1 ml dist. water

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	303.9
<b>Immunogen</b>	Recombinant AAV2 Rep 78 protein, N-terminally truncated by 171 aa
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months 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>	WB
<b>Reactivity</b>	AAV2

#### Applications

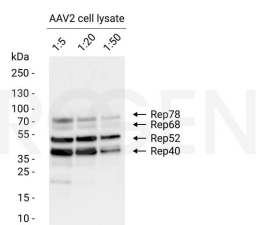
<b>Western Blot (WB)</b>	1:50-1:500 (0.1-1 µg/ml)
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#### Background

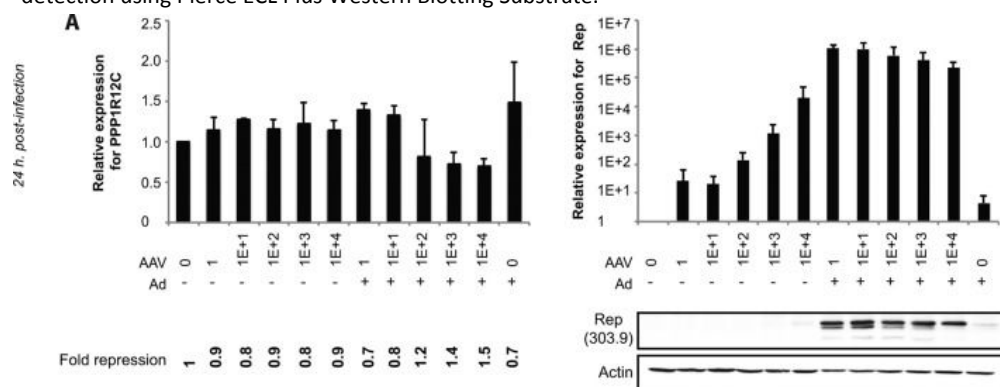
Mab 303.9 reacts with Rep proteins (Rep78, Rep68, Rep52 and Rep40) of human AAV2-infected cells.

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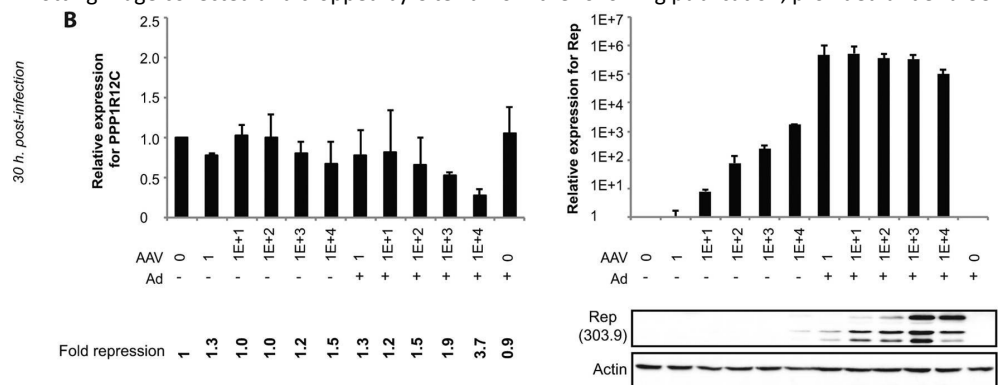
#### Product images



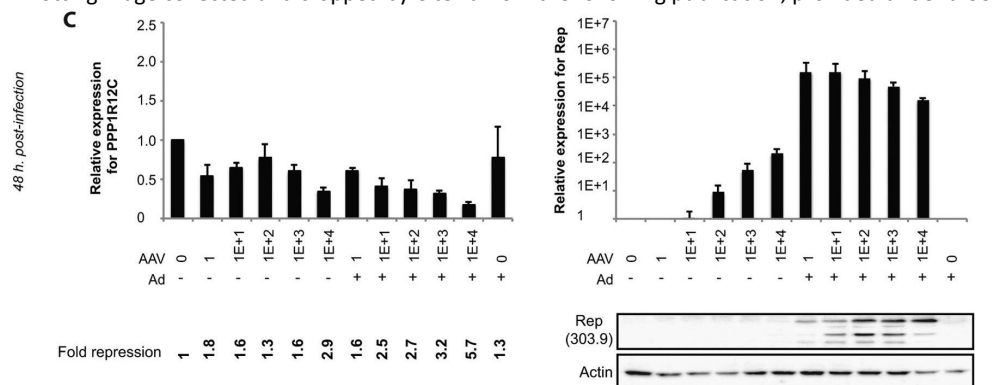
Western blot analysis of AAV2 replicase (sample: filled AAV2 expressing HEK cell lysate). The PVDF membrane was blocked with 5% dry milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-AAV2 Replicase mouse monoclonal, 303.9 (Cat. No. 61069) was diluted in blocking buffer (antibody concentration 100 ng/ml) and incubated for 1 h at RT. The secondary antibody goat anti-mouse IgG HRP was also diluted in blocking buffer (antibody concentration 200 ng/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce ECL Plus Western Blotting Substrate.



[Dutheil, N., Smith, S. C., et al. Adeno-associated virus Rep represses the human integration site promoter by two pathways that are similar to those required for the regulation of the viral p5 promoter. J Virol. 2014-08-01.](#) Species/Reactant: Homo sapiens (Human) Applications: Western Blotting 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="#">Ohba K. et al. Adeno-associated virus vector system controlling capsid expression improves viral quantity and quality., iScience, 26, 106487, (2023).</a>	AAV Rep	WB
<a href="#">Galibert, L. et al. Functional roles of the membrane-associated AAV protein MAAP. Sci. Rep. 11, (2021).</a>	AAV2	WB
<a href="#">François, A. et al. Accurate Titration of Infectious AAV Particles Requires Measurement of Biologically Active Vector Genomes and Suitable Controls. Mol. Ther. - Methods Clin. Dev. 10, 223â€“236 (2018).</a>	AAV Rep	WB
<a href="#">Seyffert, M. et al. Adeno-Associated Virus Type 2 Rep68 Can Bind to Consensus Rep-Binding Sites on the Herpes Simplex Virus 1 Genome. J Virol 89, (2015).</a>	AAV2	WB
<a href="#">Dutheil, N. et al. Adeno-Associated Virus Rep Represses the Human Integration Site Promoter by Two Pathways That Are Similar to Those Required for the Regulation of the Viral p5 Promoter. J. Virol. 88, 8227â€“8241 (2014).</a>	AAV2	WB