

## Product datasheet

### anti-pan AAV (intact particle) mouse chimeric, 1C4M

#### Short overview

<b>Cat. No.</b>	690383
<b>Quantity</b>	1 ml
<b>Concentration</b>	50 µg/ml

#### Product description

<b>Host</b>	Recombinant chimeric (mouse Fc region)
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Formulation</b>	PBS, pH 7.4 with 0.09% sodium azide and 0.5% BSA
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	Dot blot, ELISA, ICC/IF, Neutralization assay
<b>Reactivity</b>	AAV Anc80L65, AAV myo, AAV-F, AAV-LK03, AAV-PHP.eB, AAV1, AAV11, AAV13, AAV2, AAV2 7m8, AAV3, AAV4, AAV4A, AAV4E, AAV5, AAV6, AAV7, AAV8, AAV9, AAV9-P5, AAVDJ, AAVhu.37, AAVrh10, AAVrh74, scAAV9

#### Applications

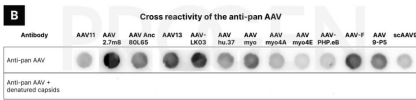
<b>Dot Blot</b>	1:500 (0.1 µg/ml; non-denaturing conditions)
<b>ELISA</b>	Assay dependent
<b>Immunocytochemistry (ICC)</b>	1:20-1:50 (1-2.5 µg/ml)
<b>Neutralization Assay</b>	EC50 ~ 7 ng/ml (AAV1), ~ 195 ng/ml (AAV3), ~ 248 ng/ml (AAV5), ~ 8 ng/ml (AAV6), ~ 52 ng/ml (AAV8), ~ 27 ng/ml (AAV9), ~ 441 ng/ml (AAVrh10), assay dependent

#### Background

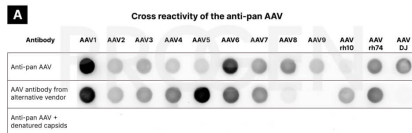
The anti-pan AAV is a recombinant mouse chimeric antibody of human origin, specifically recognizing a conformational epitope only present on fully assembled and intact AAV capsids. It does not detect denatured AAV capsids, making it a versatile tool for various applications, such as tracking the localization of viral particles, studying protein-protein interactions, facilitating AAV particle purification, and determining total AAV capsid titers. Additionally, the antibody exhibits neutralizing activity against multiple AAV serotypes. The anti-pan AAV demonstrates broad binding capabilities across all AAV serotypes, with the exception of AAV12. Furthermore, it binds to numerous additional AAV variants, underscoring its versatility in diverse research and quality control settings. Limited Use Label License: Research Use Only

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## Product images



Cross reactivity Part B: Cross-reactivity of the anti-pan AAV (mouse chimeric antibody, IgG2a, catalog number 690383) with AAV serotypes and variants, using dot blot analysis. A concentration of 0.2 ug/ml of the anti-pan AAV was used. Additionally, a total amount of 1E+10 capsids was applied. Denatured capsids were used as a control, to exclude binding to non-assembled capsids.



Cross reactivity Part A: Dot blot analysis showing the comparison of cross-reactivity of the anti-pan AAV (mouse chimeric antibody, IgG2a, catalog number 690383) with a multi-serotype recognizing AAV antibody from another vendor. A concentration of 0.1 g/mL of the anti-pan AAV antibody and 1 g/mL of the AAV antibody from the alternative vendor was used. Additionally, a capsid titer of 1E+10 capsids/mL was applied. Denatured capsids were used as a control, to verify binding of the antibody to conformational epitopes. Please note that the two antibody experiments were carried out on separate occasions with different secondary antibodies, which could impact the reliability of direct dot blot comparison.