

Product datasheet

anti-pan AAV (intact particle) mouse chimeric

Short overview

Cat. No.	690383
Quantity	1 ml
Concentration	50 µg/ml

Product description

Host	Recombinant chimeric (mouse Fc region)
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	1C4M
Immunogen	AAV capsids
Formulation	PBS, pH 7.4 with 0.09% sodium azide and 0.5% BSA
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	Dot blot, ELISA, ICC/IF, Neutralization assay
Reactivity	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

Dot Blot	1:500 (0.1 µg/ml; non-denaturing conditions)
ELISA	Assay dependent
Immunocytochemistry (ICC)	1:20-1:50 (1-2.5 µg/ml)
Neutralization Assay	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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2025 January 24 / Version: 690383/DS-031224job | Page 1

