

Product datasheet

anti-AAV9 (intact particle) mouse monoclonal, ADK9, Biotin Conjugate

Short overview

Cat. No.	615162
Quantity	750 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgA kappa
Clone	ADK9
Immunogen	AAV9 capsids
Formulation	Lyophilized; reconstitute with 750 µl sterile PBS
Synonym	Adeno-associated virus 9; AAV-9
Conjugate	Biotin
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	2-8°C
Intended use	Research use only
Application	ELISA
Reactivity	AAV9
No reactivity	AAV1, AAV11, AAV12, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAVDJ, AAVrh10, AAVrh74

Applications

ELISA	1:20
Neutralization Assay	EC50 ~2 ng/ml (AAV9) - assay dependent

Background

For characterization of different stages of infection and very useful for the analysis of the AAV assembly process. ADK9 specifically reacts with intact adeno-associated virus particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids. The antibody cannot be used for immunoblotting.

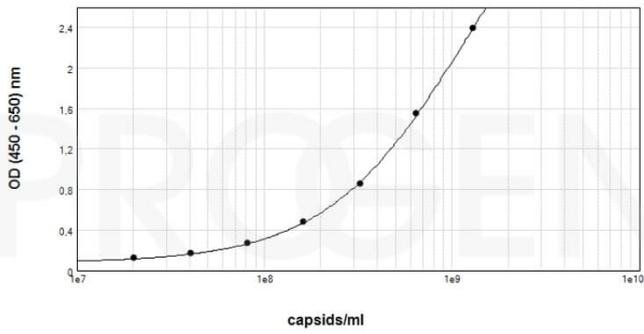
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PROGEN Biotechnik GmbH | Maaßstraße 30 | D-69123 Heidelberg

Tel.: +49 (0) 6221 8278-0 | Fax: +49 (0) 6221 8278-24 | Email: info@progen.com | Web: www.progen.com

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Product images



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ELISA with ADK9 Biotin Conjugate (Cat. No. 615162) as detection antibody (1:20)

References

Publication	Species	Application
Emmanuel, S. N. et al. Structurally Mapping Antigenic Epitopes of Adeno-associated Virus 9: Development of Antibody Escape Variants. J. Virol. 96, (2022).	AAV9	neutralization, epitope mapping, dot blot
Tseng, Y.-S. et al. Generation and characterization of anti-Adeno-associated virus serotype 8 (AAV8) and anti-AAV9 monoclonal antibodies. J. Virol. Methods 236, 105-110 (2016).	AAV9	dot blot, neutralization
Adachi, K., Enoki, T., Kawano, Y., Veraz, M. & Nakai, H. Drawing a high-resolution functional map of adeno-associated virus capsid by massively parallel sequencing. Nat. Commun. 5, (2014).	AAV9	Neutralization epitope mapping
Mietzsch, M. et al. OneBac: Platform for Scalable and High-Titer Production of Adeno-Associated Virus Serotype 1-12 Vectors for Gene Therapy. Hum. Gene Ther. 25, 212-222 (2014).	AAV9	dot blot
Varadi, K. et al. Novel random peptide libraries displayed on AAV serotype 9 for selection of endothelial cell-directed gene transfer vectors. Gene Ther. 19, 800-809 (2012).	AAV9	neutralization