Product datasheet

anti-AAV8 (intact particle) mouse monoclonal, ADK8, Biotin Conjugate

Short overview

Cat. No.	615160
Quantity	750 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	ADK8
Immunogen	AAV8 capsids
Formulation	Lyophilized; reconstitute in 750 µl sterile PBS
Synomym	Adeno-associated virus 8, AAV-8
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	AAV3, AAV7, AAV8, AAVrh10, AAVrh74, Anc80
No reactivity	AAV1, AAV11, AAV12, AAV2, AAV4, AAV5, AAV6, AAV9, AAVDJ

Applications

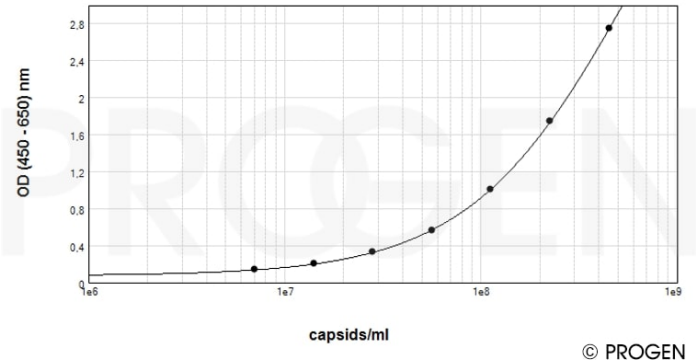
ELISA	1:20

Background

For characterization of different stages of infection and very useful for the analysis of the AAV assembly process. ADK8 specifically reacts with AAV1, AAV3, AAV7, AAV8, AAVrh10, AAVrh74 and Anc80, empty and full capsids. Recognizes a conformational epitope of assembled capsids. Predicted binding site: residues 586-LQQQNT-591 (Gurda et al. 2012). Gurda, B. L. et al. Mapping a Neutralizing Epitope onto the Capsid of Adeno-Associated Virus Serotype 8. J. Virol. 86, 77397751 (2012).

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Product images



ELISA with ADK8 Biotin Conjugate (Cat. No. 615160) as detection antibody (1:20)

References

Publication	Species	Application
Ohba K. et al. Adeno-associated virus vector system controlling capsid expression improves viral quantity and quality., iScience, 26, 106487, (2023).	AAV7, AAV8, AAVrh10	IP
Haar, J., Blazevic, D., Strobel, B., Kreuz, S. & Michelfelder, S. MSD-based assays facilitate a rapid and quantitative serostatus profiling for the presence of anti-AAV antibodies. Mol. Ther. - Methods Clin. Dev. 25, 360â€“369 (2022).	AAV8	IA
Emmanuel, S. N., Mietzsch, M., Tseng, Y. S., Smith, J. K. & Agbandje-Mckenna, M. Parvovirus Capsid-Antibody Complex Structures Reveal Conservation of Antigenic Epitopes across the Family. Viral Immunol. 34, 3â€“17 (2021).	AAV8	binding region
Baatartsogt, N. et al. A sensitive and reproducible cell-based assay via secNanoLuc to detect neutralizing antibody against adeno-associated virus vector capsid. Mol. Ther. - Methods Clin. Dev. 22, 162â€“171 (2021).	AAV8	Neutralization
Chung, S.H. et al. Host immune responses after suprachoroidal delivery of AAV8 in nonhuman primate eyes. Hum Gene Ther. 32, 682-693(2021).	AAV8	binding antibody assay