

Product datasheet

anti-AAV1 (intact particle) mouse monoclonal, ADK1a, Biotin Conjugate

Short overview

Cat. No.	615150
Quantity	750 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a lambda
Clone	ADK1a
Immunogen	AAV1 capsids
Formulation	Lyophilized; reconstitute with 750 µl sterile PBS
Synonym	Adeno-associated virus 1; AAV-1
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	AAV1, AAV12, AAV6
No reactivity	AAV11, AAV2, AAV3, AAV4, AAV5, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74

Applications

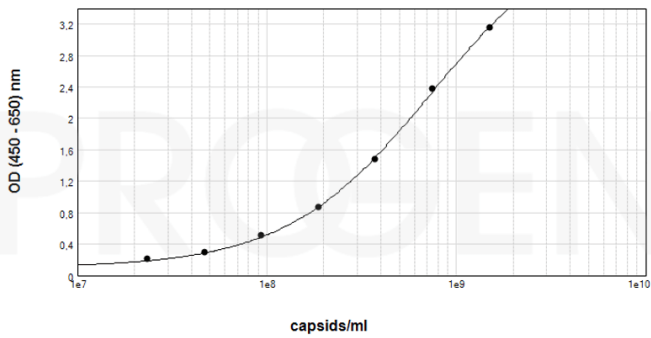
ELISA	1:80
Neutralization Assay	EC50 ~2 ng/ml (AAV1) and ~1 ng/ml (AAV6) - assay dependent

Background

For characterization of different stages of infection and very useful for the analysis of the AAV assembly process. ADK1a specifically reacts with intact adeno-associated virus particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids, not present in denatured capsid proteins and native but unassembled capsid proteins.

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Product images



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ELISA with ADK1a Biotin conjugate (Cat. No. 615150) as detection antibody (1:80)

References

Publication	Species	Application
Sonntag, F. et al. The Assembly-Activating Protein Promotes Capsid Assembly of Different Adeno-Associated Virus Serotypes. J. Virol. 85, 12686–12697 (2011).	AAV1	ELISA,ICC-IF
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).	AAV1	Neutralization epitope mapping
Tseng, Y.-S. et al. Adeno-Associated Virus Serotype 1 (AAV1)-and AAV5-Antibody Complex Structures Reveal Evolutionary Commonalities in Parvovirus Antigenic Reactivity. J. Virol. 89, 1794–1808 (2015).	AAV1	epitope mapping,neutralization
Ohba K. et al. Adeno-associated virus vector system controlling capsid expression improves viral quantity and quality., iScience, 26, 106487, (2023).	AAV1	IP
Kuck, D., Kern, A. & Kleinschmidt, J. A. Development of AAV serotype-specific ELISAs using novel monoclonal antibodies. J. Virol. Methods 140, 17–24 (2007).	AAV1,AAV6	ELISA,dot blot,IP,ICC-IF