

Product datasheet

anti-AAV6 (intact particle) mouse monoclonal, ADK6, Biotin Conjugate

Short overview

Cat. No.	615159
Quantity	750 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	ADK6
Immunogen	AAV6 capsids
Formulation	Lyophilized; reconstitute in 750 µl sterile PBS
Synonym	Adeno-associated virus 6; AAV-6
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	AAV6
No reactivity	AAV1, AAV11, AAV12, AAV2, AAV3, AAV4, AAV5, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74

Applications

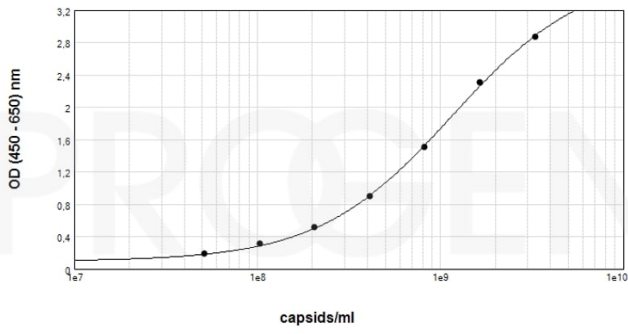
ELISA	1:20
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Background

For characterization of different stages of infection and very useful for the analysis of the AAV6 assembly process. ADK6 specifically reacts with intact adeno-associated virus 6 particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids.

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Product images



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ELISA with ADK6 Biotin Conjugate (Cat. No. 615159) as detection antibody (1:20)

References

Publication	Species	Application
Cao, L., Ledebuer, A., Pan, Y., Lu, Y. & Meyer, K. Clinical enrollment assay to detect preexisting neutralizing antibodies to AAV6 with demonstrated transgene expression in gene therapy trials. Gene Ther. 1â€™10 (2022).	AAV6	TI assay
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).	AAV6	binding region
Bennett, A. D. et al. AAV6 K531 serves a dual function in selective receptor and antibody ADK6 recognition. Virology 518, 369-376 (2018).	AAV6	neutralization
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).	AAV6	dot blot
Sonntag, F. et al. The Assembly-Activating Protein Promotes Capsid Assembly of Different Adeno-Associated Virus Serotypes. J. Virol. 85, 12686-12697 (2011).	AAV6	dot blot