

## Product datasheet

anti-AAV4 (intact particle) mouse monoclonal, ADK4, Biotin Conjugate

### Short overview

<b>Cat. No.</b>	615147
<b>Quantity</b>	250 µl
<b>Concentration</b>	20 µg/ml

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	ADK4
<b>Immunogen</b>	AAV4 capsids
<b>Formulation</b>	Contains 0.09% sodium azide
<b>Synonym</b>	Adeno-associated virus 4; AAV-4
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Biotin
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	ELISA
<b>Reactivity</b>	AAV4
<b>No reactivity</b>	AAV1, AAV11, AAV12, AAV2, AAV3, AAV5, AAV6, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74

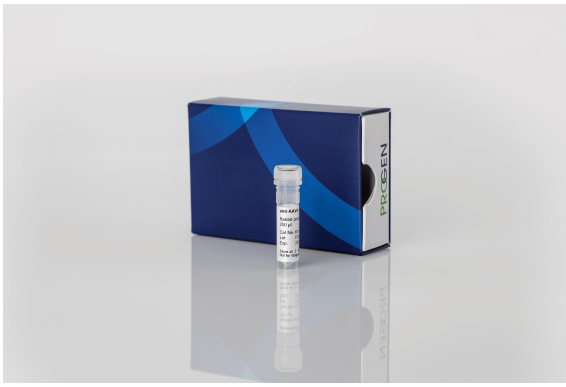
### Applications

<b>ELISA</b>	1:20 (dilute with PBS + 0.05% Tween 20)
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### Background

For characterization of different stages of infection and very useful for the analysis of the AAV assembly process. ADK4 specifically reacts with intact adeno-associated virus 4 particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids, not present in denatured capsid proteins and native but unassembled capsid proteins.

### Product images



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## References

Publication	Species	Application
<a href="#">Zane, G., et al., Cryo-EM structure of adeno-associated virus 4 at 2.2 Å... resolution., Acta Crystallogr D Struct Biol 79, 140-153, (2023).</a>	AAV4	ELISA
<a href="#">Emmanuel, S. N., Mietzsch, M., Tseng, Y. S., Smith, J. K. &amp; Agbandje-Mckenna, M. Parvovirus Capsid-Antibody Complex Structures Reveal Conservation of Antigenic Epitopes across the Family. Viral Immunol. 34, 3â€“17 (2021).</a>	AAV4	binding region
<a href="#">Grosse, S., et al., Relevance of Assembly-Activating Protein for Adeno-associated Virus Vector Production and Capsid Protein Stability in Mammalian and Insect Cells., J Virol 91, (2017).</a>	AAV4	dot blot
<a href="#">Earley, L. F. et al. Adeno-associated Virus (AAV) Assembly-Activating Protein Is Not an Essential Requirement for Capsid Assembly of AAV Serotypes 4, 5, and 11. J. Virol. 91, 1980â€“1996 (2017).</a>	AAV4	ICC-IF
<a href="#">Mietzsch, M. et al. OneBac: Platform for Scalable and High-Titer Production of Adeno-Associated Virus Serotype 1â€“12 Vectors for Gene Therapy. Hum. Gene Ther. 25, 212â€“222 (2014).</a>	AAV4	dot blot