

Product datasheet

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

Short overview

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

Product description

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

Applications

ELISA 1:20 (dilute with PBS + 0.05% Tween 20)

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
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. <i>Viral Immunol.</i> 34, 3â€“17 (2021).	AAV4	binding region
Mietzsch, M. et al. OneBac: Platform for Scalable and High-Titer Production of Adeno-Associated Virus Serotype 1â€“12 Vectors for Gene Therapy. <i>Hum. Gene Ther.</i> 25, 212â€“222 (2014).	AAV4	dot blot
Kuck, D., Kern, A. & Kleinschmidt, J. A. Development of AAV serotype-specific ELISAs using novel monoclonal antibodies. <i>J. Virol. Methods</i> 140, 17â€“24 (2007).	AAV4	ELISA,dot blot,IP,ICC-IF
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. <i>J. Virol.</i> 91, 1980â€“1996 (2017).	AAV4	ICC-IF