

Product datasheet

anti-AAV9 (intact particle) mouse monoclonal, ADK9, supernatant

Short overview

Cat. No.	651162
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgA kappa
Clone	ADK9
Immunogen	AAV9 capsids
Formulation	Contains 0.09% sodium azide
Synonym	Adeno-associated virus 9; AAV-9
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	Dot blot, ELISA, ICC/IF, Neutralization assay
Reactivity	AAV9
No reactivity	AAV1, AAV11, AAV12, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAVDJ, AAVrh10, AAVrh74

Applications

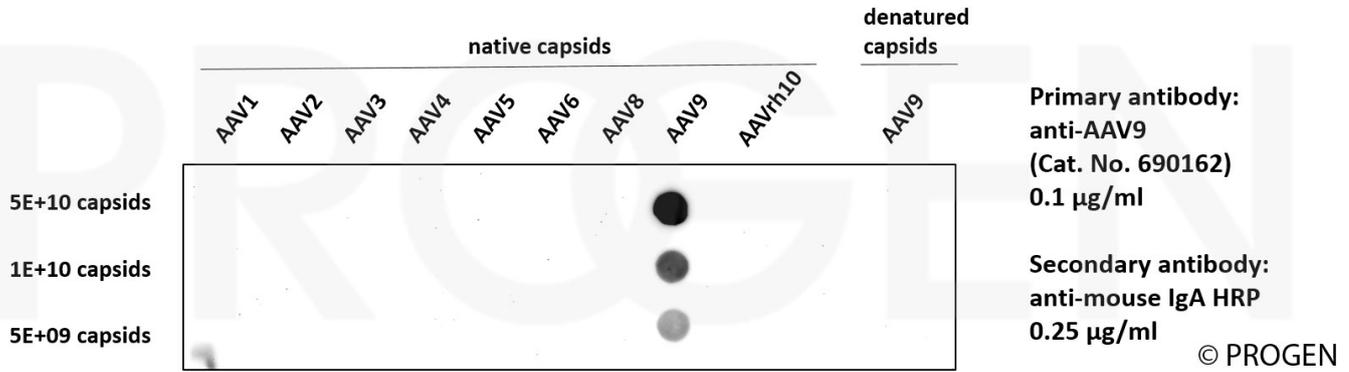
Dot Blot	1:20-1:100 (non-denaturing conditions)
ELISA	Assay dependent
Immunocytochemistry (ICC)	Assay dependent
Neutralization Assay	Assay dependent

Background

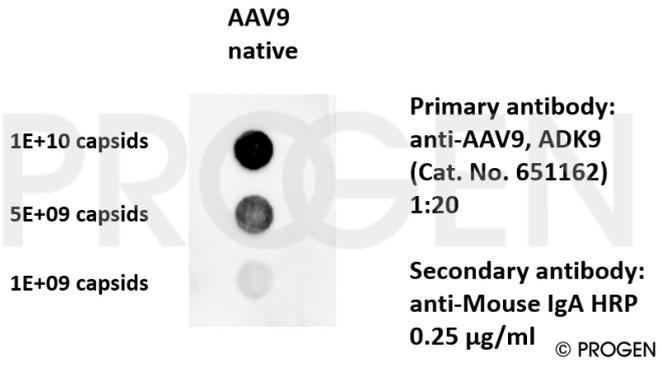
For characterization of different stages of infection and very useful for the analysis of the AAV assembly process. ADK9 specifically reacts with intact adeno-associated virus particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids. The antibody cannot be used for immunoblotting. The antibody is also useful for neutralizing experiments.

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Product images



Dot blot with different AAV serotypes and mouse monoclonal anti-AAV9 antibody, ADK9



Dot blot with native AAV9 capsids (1E+09-1E+10 capsids) and AAV9 antibody, ADK9 (1:20).

References

Publication	Species	Application
Emmanuel, S. N. et al. Structurally Mapping Antigenic Epitopes of Adeno-associated Virus 9: Development of Antibody Escape Variants. J. Virol. 96, (2022).	AAV9	neutralization, epitope mapping, dot blot
Tseng, Y.-S. et al. Generation and characterization of anti-Adeno-associated virus serotype 8 (AAV8) and anti-AAV9 monoclonal antibodies. J. Virol. Methods 236, 105-110 (2016).	AAV9	dot blot, neutralization
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).	AAV9	Neutralization epitope mapping
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).	AAV9	dot blot
Varadi, K. et al. Novel random peptide libraries displayed on AAV serotype 9 for selection of endothelial cell-directed gene transfer vectors. Gene Ther. 19, 800-809 (2012).	AAV9	neutralization