

AM32478SU-N**Monoclonal Antibody to Adeno-Associated Virus 8 / AAV8 (intact particle) - Supernatant**

Alternate names:	AAV-8
Quantity:	5 ml
Host / Isotype:	Mouse / IgG2a
Clone:	ADK8
Immunogen:	Recombinantly produced adeno-associated virus type 8 (AAV-8) vector, carrying GFP
Format:	State: Liquid Hybridoma Cell Culture Supernatant Preservatives: 0.09% Sodium Azide

Applications: **ELISA.**
Immunoprecipitation.
Neutralization Studies. (Please Note: Product should be dialyzed in order to remove the sodium azide).
Immunofluorescence Microscopy.
Immunohistochemistry: *Ready-to-use.*
Dot Blot (*non-denaturing conditions*).
Incubation Time: Overnight at 2-8°C for use in Immunohistochemistry or Immunofluorescence Microscopy.
Not Suitable for Immunoblotting using *denaturing conditions*.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: For characterization of different stages of infection Specificity and very useful for the analysis of the AAV assembly process.
ADK8 specifically reacts with **intact adeno-associated virus particles, empty and full capsids**. Recognizes a conformational epitope of assembled capsids.
Predicted binding site: Residues 586-LQQQNT-591 (cf. *Gurda et al.*).
No cross-reaction with other AAV types in Immunofluorescence microscopy.
With **Dot Blot** analysis weak cross-reactivity with type 1, 3, 7 and 10 was observed (*Mietzsch et al.* 2013).

Species Reactivity: **Tested:** AAV-8, found in Monkey.

Storage: Store undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings:

- Sonntag F, Köther K, Schmidt K, Weghofer M, Raupp C, Nieto K, et al. The assembly-activating protein promotes capsid assembly of different adeno-associated virus serotypes. *J Virol.* 2011 Dec;85(23):12686-97. doi: 10.1128/JVI.05359-11. Epub 2011 Sep 14. PubMed PMID: 21917944.
- Gurda BL, Raupp C, Popa-Wagner R, Naumer M, Olson NH, Ng R, et al. Mapping a neutralizing epitope onto the capsid of adeno-associated virus serotype 8. *J Virol.* 2012 Aug;86(15):7739-51. doi: 10.1128/JVI.00218-12. Epub 2012 May 16. PubMed PMID:

22593150.

3. Mietzsch M, Grasse S, Zurawski C, Weger S, Bennett A, Agbandje-McKenna 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.* 2014 Mar;25(3):212-22. doi: 10.1089/hum.2013.184. Epub 2014 Jan 23. PubMed PMID: 24299301.