

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: C44180M **Lot #:** 3F15221
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Description: MAb to AAV VP1, VP2, VP3
Monoclonal Antibody to Adeno-Associated Virus (AAV), VP1, VP2 and VP3

Specificity: Reacts with free VP1, VP2 and VP3 of adeno-associated virus and at a very reduced degree with assembled capsids. VP1 and VP2 are highly enriched in the nucleus, while non-assembled VP3 is evenly distributed in the nucleus and the cytoplasm. Epitope identified a.a. 726 – a.a. 733 (C-terminus; common to all 3 VP proteins) as the specific binding region. The antibody is also useful for characterization of different stages of infection. AAV-2 found in human and monkey.

Host Animal: Mouse **Isotype:** IgG₁

Source: Tissue Culture

Immunogen: Adeno-associated virus capsid proteins and virus particles.

Format: Purified, Lyophilized
Reconstitute with 1 mL Phosphate Buffered Saline.

Purification: Protein A affinity Chromatography

Concentration: 50 µg/mL (prior to lyophilization).

Buffer: Lyophilized from Phosphate Buffered Saline, pH 7.4.

Preservative: None

Applications: Immunofluorescence Microscopy
Immunohistochemistry (1:10)
Immunoprecipitation (Mainly Free VP Proteins)
Immunoblotting
Affinity Chromatography
Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store lyophilized product at 2–8°C. After reconstitution, store at 2–8°C.

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Safety Notes(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References:

The references listed below are for research purposes only:

1. Wistuba, A., et al., (1995), "Intermediates of adeno-associated virus type 2 assembly: Identification of soluble complexes containing Rep and Cap proteins", *J. Virol.*, **69**, 5311–5319.
2. Wistuba, A., et al., (1997), "Subcellular compartmentalization of adeno-associated virus type 2 assembly", *J. Virol.*, **71**, 1341–1352.
3. Wobus, C. E. et al., (2000), "Monoclonal antibodies against the adeno-associated virus type 2 (AAV-2) capsid: Epitope mapping and identification of capsid domains involved in AAV-2-cell interaction and neutralization of AAV-2 infection", *J. Virology*, **74**, 9281–93.

Quality Signature:



01 JUN 2021

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