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BM5014 Monoclonal Antibody to Adeno-Associated Virus 2 / AAV2 (VP1 / VP2) - Purified

Alternate names: AAV-2

Quantity: 50 µg

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: AM03095PU-N

Clone: A69

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

Format:
State: Lyophilized purified IgG fraction
Purification: Affinity Chromatography on Protein A
Buffer System: PBS
Preservatives: 0.09% Sodium Azide
Stabilizers: 0.5% BSA
Reconstitution: Restore with 1 ml distilled Water

Applications:
Western Blot.
Immunofluorescence Microscopy.
Immunoprecipitation.
Immunohistochemistry on Frozen Sections: 1/10.
Incubation Time: 1h at RT.
Dilution buffer: PBS or Tris-buffered saline.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
Recognized AAV-2, found in Human and Monkey.
A69 reacts with VP1 and VP2 of adeno-associated virus which are highly enriched in the nucleus. Epitope mapping experiments (Wobus et al., see references) identified aa169 to aa184 of VP2 and (with reduced intensity) aa123 to aa136 of VP1 capsid proteins as the specific binding region.
Weak cross-reaction with serotypes 1, 3, and 6.

Storage:
Store the antibody at 2-8°C after reconstitution.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Wistuba A, Weger S, Kern A, Kleinschmidt JA. Intermediates of adeno-associated virus type 2 assembly: identification of soluble complexes containing Rep and Cap proteins. J Virol. 1995 Sep;69(9):5311-9. PubMed PMID: 7636974.
2. Wistuba A, Kern A, Weger S, Grimm D, Kleinschmidt JA. Subcellular compartmentalization of adeno-associated virus type 2 assembly. J Virol. 1997 Feb;71(2):1341-52. PubMed PMID: 8995658.
3. Wobus CE, Hügle-Dörr B, Girod A, Petersen G, Hallek M, Kleinschmidt JA. 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 Virol. 2000 Oct;74(19):9281-93. PubMed PMID: 10982375.