

Product datasheet for **BM5015**

Adeno-associated Virus / AAV (VP1 + VP2 + VP3) Mouse Monoclonal Antibody [Clone ID: B1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B1
Applications:	IF, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on Frozen Sections: assay dependent. Immunohistochemistry on Paraffin Sections: assay dependent. Western Blot: 1/250. Immunoprecipitation: assay dependent;(mainly free VP proteins). Affinity Chromatography. Immunofluorescence Microscopy.
Reactivity:	Adenovirus 2
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	AAV2 capsids
Specificity:	Useful for Immunolocalization studies of capsid formation in combination with monoclonal antibody A20 (<i>Cat. No.</i> BM5010). B1 reacts with free VP 1, VP 2 and VP 3 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 mapping experiments (Wobus et al., see below) identified amino acids 726 to aa733 (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. Reacts with AAV-2, found in Human and Monkey, and all published AAV serotypes (AAV-4 only weak cross-reaction, 11 &12 no cross-reaction).
Formulation:	Formulation: PBS, pH 7.4 with 0.09% sodium azide and 0.5% BSA State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A (≥ 95% pure by SDS-PAGE)
Conjugation:	Unconjugated



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Storage:	Up to 1 month: 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles; Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Synonyms:	AAV1, AAV2, AAV3, AAV4, AAV5
Note:	Lyophilized to liquid change in 2021