

## Product datasheet for **BM5013**

### Adeno-Associated Virus 2 / AAV2 (VP1) Mouse Monoclonal Antibody [Clone ID: A1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	A1
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunoblotting.</b> <b>Immunoprecipitation.</b> <b>Immunohistochemistry.</b> <b>Immunofluorescence Microscopy.</b> <i>Working Dilution:</i> 1/5-1/10 for Immunohistochemistry. <i>Dilution Buffer:</i> PBS or Tris-buffered saline. <i>Incubation Time.</i> 3h at RT or overnight at 2-8°C for immunohistochemical application.
Reactivity:	Adeno-associated Virus 2
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Adeno-associated virus capsid proteins and virus Particles.
Specificity:	This Monoclonal Antibody A1 reacts with VP1 of AAV-2 found in Human and Monkey. Weak cross-reaction with serotypes 1, 3, 4, 5, 6. In Immunoprecipitation, an occasional reaction with a non AAV-derived protein is found. Epitope mapping experiments (See Ref.2) identified aa123 to aa131 of VP1 capsid protein as the specific binding region.
Formulation:	State: Purified State: Lyophilized
Reconstitution Method:	Restore with 1 ml sterile PBS
Purification:	Protein A Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to and following reconstitution store the antibody at 2-8°C.
Stability:	Shelf life: one year from despatch.



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**Background:**

Adeno-associated virus (AAV) is a small virus which infects humans and some other primate species. AAV is not currently known to cause disease and consequently the virus causes a very mild immune response. AAV can infect both dividing and non-dividing cells and may incorporate its genome into that of the host cell. These features make AAV a very attractive candidate for creating viral vectors for gene therapy, and for the creation of isogenic human disease models. The capsid proteins: VP1, VP2 and VP3 interact together to form a capsid of an icosahedral symmetry.

**Synonyms:**

AAV-2