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BM5011 Monoclonal Antibody to Adeno-Associated Virus 2 / AAV2 (Replicase Rep 78, 52) - Purified

Alternate names: AAV-2

Quantity: 0.1 mg

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. Serotype 2 (AAV2) has been the most extensively examined so far. AAV2 presents natural tropism towards skeletal muscles, neurons, vascular smooth muscle cells and hepatocytes.

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: AM03095PU-N

Clone: 76.3

Immunogen: Recombinant AAV-2 Rep78 protein, N-terminally truncated by 171 aa

Format:
State: Lyophilized purified Ig fraction
Purification: Protein A Affinity Chromatography
Buffer System: Final solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer
Reconstitution: Restore with 1.0 ml distilled water.

Applications:
Immunofluorescence Microscopy: 1/10.
Immunoprecipitation.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Four Replicase proteins (Rep78, Rep68, Rep52 and Rep40) are expressed in different concentrations during infection. Antibody clone 76.3 reacts with Rep proteins (Rep78 and Rep52) of Human AAV-2-infected cells.
It does not react with Rep68 and Rep40.

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
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.