Anti-VP1, VP2 and VP3 of AAV2
(Adeno-Associated Virus 2)

Catalog No. 65158
Quantity 5 mL

Source mouse monoclonal, IgG1
Clone B1
Immunogen adeno-associated virus 2 capsid proteins and virus particles
Reactivity AAV2, found in human and monkey, and all published AAV serotypes (AAV4, 11 & 12, no cross-reaction)
Purification hybridoma culture supernatant
Conjugate unconjugated
Formulation contains 0.09% sodium azide
Storage short term at 2 – 8 °C; long term storage in aliquots at -20 °C; avoid freeze/ thaw cycles

Tested Applications
IF assay dependent
IP assay dependent (mainly free VP proteins)
Affinity chromatography assay dependent
IHC (frozen) ready to use (after fixation with formaldehyde)
WB assay dependent

Background
Useful for immunolocalization studies of capsid formation in combination with monoclonal antibody A20 (Cat.No. 61055/65155) and rabbit polyclonal antibody to AAV capsid proteins (Cat.No. 61084). B1 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 mapping experiments (see reference 7) identified aa726 to aa733 (common to all 3 VP proteins) as the specific binding region. The antibody is also useful for characterization of different stages of infection.
References


