

Monoclonal Antibody to Adenovirus (Hexon) - FITC

Catalog No.: AM05909FC-N

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: Adenoviruses are DNA viruses generally widespread in nature that are frequently the cause of acute upper respiratory tract infections (i.e. common colds). Forty-seven known serotypes have been isolated since they were first discovered in 1953 with 3 types known to cause gastroenteritis. Several types have oncogenic potential though most cause self-limiting febrile illnesses characterised by inflammation of conjunctivae and the respiratory tract. The virus can be isolated from the majority of tonsils/adenoids surgically removed, indicating latent infections. It is not known how long the virus can persist in the body, or whether it is capable of reactivation after long periods. In patients experiencing immunosuppression (e.g. AIDS) it can be reactivated causing disease. Hexon protein is a major coat protein of adenoviruses. Adenoviruses capsids have three principal protein components: the hexon, the penton, and the fiber. Hexon consists of three subunits together forming two major components of different morphological symmetry. A triangular top with three towers of density is superimposed on a more bulky pseudo hexagonal base. The symmetry of the top is in accord with the trimeric nature of hexon, but that of the base derives from the molecular function, which is to provide a densely packed impenetrable protective outer layer for the virion.

Host / Isotype: Mouse / IgG1

Clone: 1461

Format: **State:** Liquid purified Ig fraction
Buffer System: Phosphate buffered saline 0.09% Sodium Azide (NaN₃) 1% Bovine Serum Albumin
Label: FITC

Applications: Immunofluorescence: 1:5 - 1:20.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This Adenovirus antibody is specific for the hexon group antigen of numerous Adenovirus. It does not react with Influenza A, Influenza B, RSV, Para 1, 2 or 3, *Mycoplasma pneumoniae*, *H. pylori*, or mammalian cells.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.