

AM00781PU-N**Monoclonal Antibody to Adenovirus (Hexon) - Purified**

Quantity:	1 mg
Concentration:	2.0 mg/ml (OD280nm, E0.1% = 1.3)
Background:	<p>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.</p> <p>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.</p>
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	B111M
Immunogen:	Adenovirus lysate
Format:	State: Liquid purified IgG fraction (> 90% pure) Purification: Protein A Chromatography Buffer System: 0.01M PBS, pH 7.2 containing no stabilizing proteins Preservatives: 0.09% Sodium Azide
Applications:	ELISA. Lateral Flow. IFA (acetone fixed cells). <u><i>Recommended pairs for sandwich immunoassay:</i></u> Capture / Detection BM3186 / AM00781PU-N 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 Adenovirus. Reactive with Adenovirus types 1, 2, 3, 4, 5, 6, 7a, 8, 11, 14, 20, 26, 31, 40, and 41. Other types not tested.

Does not react with Influenza A, Influenza B, RSV, Parainfluenza 1, 2 & 3, *Mycoplasma pneumoniae*, *H. pylori* and Mammalian cells.

Storage:

Store undiluted at 2-8°C.

Shelf life: one year from despatch.