

AM33475PU-N**Monoclonal Antibody to Adenovirus (Hexon) - Purified**

Quantity:	1 mg
Concentration:	7.38 mg/ml (OD280nm, E0.1%=1.36)
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 / IgG
Clone:	B315M
Immunogen:	Astrovirus type 3 (ATCC strain VR847)
Format:	State: Liquid purified Ig fraction (> 90% pure by SDS-PAGE) Purification: Protein A Chromatography Buffer System: PBS, pH 7.5 Preservatives: 15 mM Sodium Azide
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Adenovirus Hexon protein (genus specific epitope). Reacts with all serotypes of Human Adenovirus.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.