



Anti-Adenovirus Hexon Monoclonal antibody, Clone 8D12 (DMAB2940)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Human Adenovirus hexon
Specificity	Specific for the Hexon antigen of Human Adenovirus (types 1, 5, 8 and 27). Clone 7C11 is bi-clonal (a mixture of IgG2a and IgM). Both isotypes are specific for Adenovirus hexon antigen.
Target	Adenovirus Hexon
Immunogen	Purified Adenovirus hexon
Isotype	IgG2a/IgM
Source/Host	Mouse
Species Reactivity	Adenovirus
Clone	8D12
Affinity Constant	Not determined
Purification	>90% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	<p>Detection of human adenovirus. Can be used in ELISA and Immunodiffusion. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs for sandwich immunoassay:</p> <ul style="list-style-type: none"> • Capture DMAB2940

- **Detection**
[DMAB2939](#)

Suggested pair for testing (Capture - Detection): DMAB2940 - [DMAB2939](#)

Format	Purified, Liquid
Concentration	8.8mg/ml (OD280nm, E0.1%= 1.4)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2–8°C

BACKGROUND

Introduction	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.
Keywords	Adeno_hexon; Adenovirus Hexon; Adenovirus hexon; Hexon protein; Late protein 2; PII; Adenovirus; Adenoviridae; Aviadenovirus; ADENOVIRUS; ADENOVIRUS F