



# Anti-Adenovirus Hexon Monoclonal antibody, Clone C112M (DMAB2931)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Monoclonal Antibody to Adenovirus hexon
<b>Specificity</b>	Specific for the hexon group antigen of Adenovirus. Reactive with Adenovirus types 1, 2, 3, 4, 5, 6, 7a, 8, 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
<b>Target</b>	Adenovirus Hexon
<b>Immunogen</b>	Adenovirus lysate
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Adenovirus
<b>Clone</b>	C112M
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	>90% pure. Protein A chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA, Lateral flow and IFA (acetone fixed cells). Not recommended for use with methanol-fixed cells. 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:

- **Capture**  
[DMAB2930](#)
- **Detection**  
[DMAB2931](#)

Suggested pair for testing (Capture - Detection): [DMAB2930](#) - DMAB2931

<b>Procedure</b>	Matched Antibody Pairs
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	100ug/ml (OD280nm, E0.1%= 1.3)
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M PBS, pH 7.2. Product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.
<b>Warnings</b>	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

## BACKGROUND

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