



Anti-Adenovirus Hexon Monoclonal antibody, Clone 2F12 (DMAB2939)

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

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Product Overview | Monoclonal Antibody to Adenovirus hexon |
| Specificity | Specific for the hexon antigen of Human Adenovirus (types 1, 5, 8 and 27). Clone 1E11 is biconal (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 | 2F12 |
| Affinity Constant | Not determined |
| Purification | >90% pure (SDS-PAGE). Protein A chromatography |
| Conjugate | Unconjugated |
| Applications | <p>Detection of human adenovirus. Works in ELISA and lateral flow. 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.</p> <p>Recommended pairs for sandwich immunoassay:</p> <ul style="list-style-type: none"> • Capture DMAB2940 |

[DMAB2941](#)

- **Detection**

[DMAB2939](#)

[DMAB2939](#)

Suggested pair for testing (Capture - Detection): [DMAB2941](#) - DMAB2939

| | |
|----------------------|---------------------------------|
| Format | Purified, Liquid |
| Concentration | 11.3mg/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