Adenovirus Hexon Mouse Monoclonal Antibody

**Adenovirus Hexon Mouse Monoclonal Antibody (Clone AF-3H12)**

Cat# CY-M1027

50 µg (1 mg/ml x 50 µL)

<table>
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<th>Clone Name</th>
<th>Applications</th>
<th>Species Cross-reactivity</th>
<th>Molecular Wt.</th>
<th>Source Isotype</th>
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<td>AF-3H12</td>
<td>IC, F, E</td>
<td>N/A</td>
<td>135 kDa</td>
<td>Mouse IgG2a</td>
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**Background:** Recombinant adenoviruses derived from the adenovirus type 5 are widely used to express heterologous genes in mammalian cells, but the use of the adenovirus expression vector system is hampered by slow and tedious procedures for the selection and propagation of adenovirus and for titer determination. Titration of adenoviral stocks is important because when doing experiments, it is important to have consistency between samples, and to achieve the right level of transient expression and when producing viral stocks it is important to know the titer of infectious particles for successful virus production. This antibody can be used for determining titers of adenovirus stocks by immunocytochemical or immunofluorescence method.

**Specificity/Sensitivity:** Adenovirus Hexon antibody detects the Hexon protein of adenovirus (Type 5).

**Source/Purification:** Monoclonal antibody is produced by immunizing mice with wild type adenovirus type 5 particles. IgG is purified by protein A-sepharose chromatography.

**Recommended Antibody Dilutions:** Immunofluorescence assay for detection of Type 5 adenovirus-based recombinant adenovirus: 0.5-1 µg/mL.

**Storage:** Supplied in 20 mM phosphate buffer (pH 7.5), 300 mM NaCl, 50 % glycerol. Store at -20°C.

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**Applications Key:** WB: Western Blotting  IP: Immunoprecipitation  IHC: Immunohistochemistry  IC: Immunocytochemistry  F: Flow cytometry  E: ELISA  FP: Fluorescence Polarization assay

**Species Cross-Reactivity Key:** H: Human  M: Mouse  R: Rat  Hm: Hamster  Mk: Mink  C: Chicken  X: Xenopus  Z: Zebra  Fsh: Fish  A: All species expected. Species enclosed in parentheses are predicted to react based on 100% sequence homology. N/A: Not Applicable
Selected References:

Fig.1 Immunofluorescence detection of adenovirus infected cells

Fig.2 Sandwich ELISA Calibration curve for Type 5 adenovirus Hexon antigen determination in recombinant virus stock
Related Products

* Anti-Baculovirus envelope gp64: Cat# CY-M1026

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