



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti-Adenovirus

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-00023

**Species**  
Viral

**Isotype**  
IgG1

### Preparation

**Purification:** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

### Specificity

DS-MB-00023 recognizes the hexon group antigen of Adenovirus types 2, 3, 4, 5 and 6 (other types not tested).

Adenoviruses are 70-90nm non-enveloped icosahedral viruses containing linear double-stranded DNA, which are unusually stable to adverse pH conditions and chemical or physical agents, and are responsible for respiratory infections such as the common cold, bronchitis, croup and pneumonia and may also cause gastroenteritis, pharyngitis, urethritis, conjunctivitis and cystitis. There are at least 51 immunologically distinct types of Adenovirus, which are categorised into the subgenera A-F based on different morphological, oncogenic, haemagglutinating and DNA sequence properties.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline pH7.2

**Preservative Stabilizers:** 0.09% Sodium Azide ( $\text{NaN}_3$ )

**Approx. Protein Concentrations:** IgG concentration 0.1 mg/ml

### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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### Applications

**Table Summary of antibody applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Flow Cytometry			•	
Immunohistology - Frozen			•	
Immunohistology - Paraffin			•	
ELISA	•			1:20 – 1:200
Immunofluorescence	•			1:10 – 1:50

**Note: Other applications are not tested yet. Optimal dilutions should be determined.**

### Secondary Antibody Applications

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

### Reference

1. Ebner, K. *et al.* (2005) Comparative sequence analysis of the hexon gene in the entire spectrum of human Adenovirus serotypes: phylogenetic, taxonomic, and clinical implications. J. Virol. 79: 12635-12642.

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