

## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Rat Anti-Mouse CD19:RPE

**Catalog No.**  
DS-MB-03754

**Target Species**  
Mouse

**Isotype**  
IgG2a

### Preparation

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

**Immunogen:** Human K562 cell line transfected with murine CD19

**Fusion Partners:** Spleen cells from immunized rats were fused with cells of the P3X63.Ag8.653 myeloma cell line.

### Specificity

DS-MB-03754 recognizes the murine CD19 cell surface antigen, a 95kD glycoprotein expressed by B lymphocytes.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Reconstitution:** Reconstitute with 1 ml distilled water

**Buffer Solution:** Phosphate buffered saline pH7.4

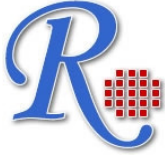
**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>), 1% Bovine Serum Albumin

### Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Immunofluorescence			•	
Flow Cytometry (1)	•			Neat - 1/10

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.  
(1). Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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



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### **Storage**

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

#### **DO NOT FREEZE.**

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 12 months from date of reconstitution.

### **Reference**

1. Krop, I. *et al.* (1996) Self-renewal of B-1 lymphocytes is dependent on CD19 *Eur. J. Immunol.* 26: 238.
2. Vernooy, J. *et al.* (2002) Long-term intratracheal lipopolysaccharide exposure in mice results in chronic lung inflammation and persistent pathology. *Am. J. Respir. Cell. Mol. Biol.* 26: 152-159.

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