



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

### Certificate of Analysis and Data Sheet

## Mouse Anti-Mouse Major Histocompatibility Complex Class I H-2Kb, FITC-labeled

**Catalog No.**  
129-10449

**Target Species**  
Mouse

**Isotype**  
IgG2a

### **Preparation**

**Preparation:** Purified IgG prepared by affinity chromatography

**Immunogen:** C57BL mouse splenocytes

### **Specificity**

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In mice, this complex is referred to as the histocompatibility 2 (H-2) region. There are 3 major MHC class I proteins encoded by the H-2 which are H-2K, H-2L and H-2D. The H-2K gene is part of the murine H-2 complex on chromosome 17 and there are a large number of variant alleles of this gene.

129-10449 recognizes the H-2Kb determinant present on all nucleated cells of mice expressing this MHC class I haplotype. This product does not cross react with other haplotypes.

### **Formulation**

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to fluorescein isothiocyanate (FITC) - liquid.

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentration:** IgG concentration 0.5 mg/ml

### **Storage**

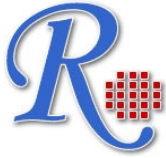
Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. 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.**



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

---

### **Applications**

<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 (1)	•			1:10 – 1:20

(1) Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul.

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

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