



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## RAT ANTI MOUSE CD88

With HRP-conjugated Secondary Antibody

Catalog No.	Species	Isotype
DS-MB-00924	Mouse	IgG <sub>2b</sub>

### Preparation

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

**Immunogen:** RBL-2H3 transfected cells expressing murine C5aR.

**Fusion Partners:** Cells from immunized Lou/c were fused with cells of the X63-Ag8.653 myeloma cell line.

### Specificity

Recognizes murine CD88, a 45kD G-protein coupled cell surface receptor, which is otherwise known as C5aR. The CD88 molecule functions as a receptor for the complement component C5a, which is a potent proinflammatory molecule and a chemoattractant for neutrophils to sites of infection. In mouse, CD88 is expressed on granulocytes, monocytes and macrophages but not on resting or stimulated lymphocytes.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

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

**Preservative Stabilizers:** 0.09% Sodium Azide

**Approx. Protein Concentrations:** IgG concentration 1.0 mg/ml

### Storage

18 months from date of dispatch.

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.

**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**

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Immunohistology - frozen			•	
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation			•	
Flow Cytometry(*)	•			1/50 - 1/100

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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

### Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

### Reference

1. Soruri, A. et.al. (2003) Characterization of C5aR expression on murine myeloid and lymphoid cells by the use of a novel monoclonal antibody. *Immunol. Lett.* 88:47-52.
2. Godau, J. et.al. (2004) C5a initiates the inflammatory cascade in immune complex peritonitis. *J. Immunol.* 173:3437-3445.
3. Baelder, R. et.al. (2005) Pharmacological targeting of anaphylatoxin receptors during the effector phase of allergic asthma suppress airway hyperresponsiveness and airway inflammation. *J. Immunol.* 174:783-789.

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