



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet RAT ANTI MOUSE CD206:Biotin

**Catalog No.**  
DS-MB-03770

**Species**  
Mouse

**Isotype**  
IgG2a

## Preparation

- **Preparation:** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
- **Immunogen:** Chimaeric CRD4-7-Fc protein.
- **Fusion Partners:** Spleen cells from immunized Fischer rats were fused with cells of the Y3 myeloma cell line.

## Specificity

- DS-MB-03770 recognizes the mouse mannose receptor, a 175 kD type 1 membrane protein that is also known as CD206. CD206 is expressed on most tissue macrophages, *in vitro* derived dendritic cells, lymphatic and sinusoidal endothelia.
- DS-MB-03770 has been reported to be non-inhibitory for the binding of the mannose receptor to carbohydrate ligands.

## Formulation

- **Product Type:** Monoclonal Antibody
- **Product Form:** Purified IgG conjugated to Biotin - liquid
- **Buffer Solution:** Phosphate buffered saline, pH 7.4
- **Preservative & Stabilizers:** 0.09% Sodium Azide; 1% Bovine Serum Albumin
- **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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody.
- **Shelf Life:** 18 months from date of shipment.

## Reference:

- Martinez-Pomares, L. et al. (2003) Analysis of mannose receptor regulation by IL-4, IL-10 and proteolytic processing using novel monoclonal antibodies. J. Leuk. Biol. 73: 604 - 613.
- Zamze, S. et al. (2002) Recognition of bacterial capsular polysaccharides and lipopolysaccharides by the macrophage mannose receptor. J. Biol. Chem. 277: 41613 - 41623.

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



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### Applications

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA			•	
Flow Cytometry(1)	•			Neat - 1/10

**Note:** Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.  
(1) Use 10ul of the suggested working dilution to label  $10^6$  cells in 100 ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors

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