



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Rat Anti-Mouse MARCO:FITC

Catalog No.
DS-MB-03940

Target Species
Mouse

Isotype
IgG1

Preparation

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

Immunogen: CHO cells expressing mouse MARCO

Fusion Partners: Spleen cells from immunized rats were fused with cells of the mouse SP2/0 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

Specificity

DS-MB-03940 recognizes the murine cell surface antigen designated MARCO (Macrophage receptor with collagenous structure), which is a member of the class A scavenger receptor family.

MARCO is expressed by distinct populations of macrophages in the spleen and lymph nodes, but is rapidly induced on macrophages in other tissues (e.g. Liver Kupffer cells) during infection or LPS treatment. ED31 binds to the C-terminal cysteine rich domain of MARCO, and has been shown to block ligand binding.

Applications

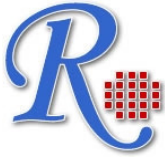
Table Summary of antibody applications and working conditions

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|----------------------|-----|----|----------------|--|
| Flow Cytometry (1) | • | | | 1/5 - 1/10 |
| Western Blotting | | | • | |
| ELISA | | | • | |

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

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

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Not for diagnostic or therapeutic use.**



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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. This product is photosensitive and should be protected from light.

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.

Reference

1. van der Laan, L.J.W. *et al.* (1999) Regulation and functional involvement of macrophage scavenger receptor MARCO in clearance of bacteria *in vivo*. J. Immunol. 162: 939-947.
2. van der Laan, L.J.W. *et al.* (1997) Macrophage scavenger receptor MARCO: *in vitro* and *in vivo* regulation and involvement in the anti-bacterial host defense. Immunol. Letters 57: 203-208.
3. Dioszeghy, V. *et al.* (2008) 12/15-Lipoxygenase regulates the inflammatory response to bacterial products *in vivo*. J Immunol. 181: 6514-24.

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