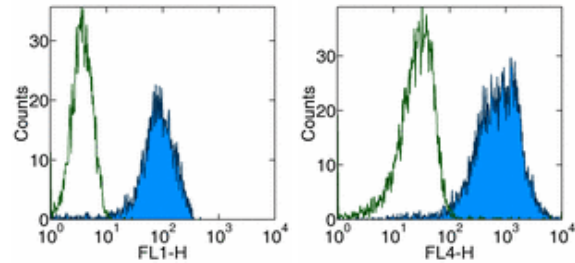


Product Information

Contents: Phycoerythrin (PE) anti-mouse CD14
Catalog Number: 12-0141
Sizes: 50 ug, 100 ug, 200 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: Sa2-8
Isotype: Rat IgG2a, κ



Surface staining of thioglycolate induced PEC with anti-mouse CD14 (Sa2-8) FITC (left), and APC (right). Appropriate isotype controls were used (open histogram). Cells in the larger population were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0141	Fluorescein (FITC) anti-mouse CD14	488	518	FC
12-0141	Phycoerythrin (PE) anti-mouse CD14	488	575	FC
13-0141	Biotin anti-mouse CD14	N/A	N/A	FC
14-0141	Affinity Purified anti-mouse CD14	N/A	N/A	FC IP WB
16-0141	Functional Grade* Purified anti-mouse CD14	N/A	N/A	FC
17-0141	Allophycocyanin (APC) anti-mouse CD14	633	660	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The Sa2-8 monoclonal antibody reacts with mouse CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is a receptor for the complexes of LPS and LBP (LPS-Binding Protein) and is shown to associate with Toll-Like Receptor 4 (TLR4) and participate in the signaling and cellular response to bacterial LPS. In mouse, CD14 is expressed on the surface of macrophages and under certain conditions is also found in the serum in a secreted form. Sa2-8 has weak antagonistic activity (in NF-κB activation or TNF-α production with LPS stimulation).

Usage

For research use only, not for diagnostic or therapeutic use. The Sa2-8 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The Sa2-8 antibody has been tested by flow cytometric analysis of thioglycolate elicited PECs. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0141 Fluorescein (FITC) anti-mouse CD14 (clone Sa2-8)
Cat. 13-0141 Biotin anti-mouse CD14 (clone Sa2-8)
Cat. 14-0141 Affinity Purified anti-mouse CD14 (clone Sa2-8)
Cat. 16-0141 Functional Grade Purified anti-mouse CD14 (clone Sa2-8)
Cat. 17-0141 Allophycocyanin (APC) anti-mouse CD14 (clone Sa2-8)
Cat. 12-4321 PE Rat IgG2a Isotype Control

References

Akashi S, Saitoh S, Wakabayashi Y, Kikuchi T, Takamura N, Nagai Y, Kusumoto Y, Fukase K, Kusumoto S, Adachi Y, Kosugi A, Miyake K. 2003. Lipopolysaccharide interaction with cell surface Toll-like receptor 4-MD-2: higher affinity than that with MD-2 or CD14. *J Exp Med.* 198(7): 1035-42.

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