
Anti-Mouse CD14 Functional Grade Purified

Catalog Number: 16-0141

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Mouse CD14 Functional Grade Purified
Catalog Number: 16-0141
Clone: Sa2-8
Concentration: 1 mg/mL
Host/Isotype: Rat IgG2a, kappa
Handling Conditions: Use in sterile environment.
Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

REF



Formulation: aqueous buffer, no sodium azide

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

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-kappaB activation or TNF alpha production with LPS stimulation).

Applications Reported

The Sa2-8 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This Sa2-8 antibody has been tested by flow cytometric analysis of mouse thioglycolate-elicited peritoneal exudate cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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. Lipopolysaccharide interaction with cell surface Toll-like receptor 4-MD-2: higher affinity than that with MD-2 or CD14. *J Exp Med.* 2003 198(7): 1035-42.

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)
16-4321 Rat IgG2a K Isotype Control Functional Grade Purified (eBR2a)
17-4317 Streptavidin APC

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com