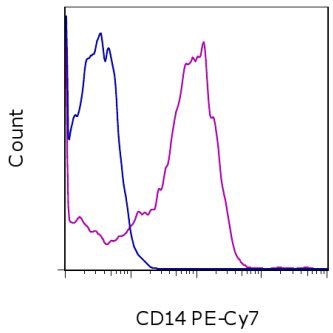
Anti-Mouse CD14 APC

Catalog Number: 17-0141
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of mouse thioglycolate-elicited peritoneal exudate cells with 0.25 ug of Rat IgG2a K Isotype Control APC (cat. 17-4321) (blue histogram) or 0.25 ug of Anti-Mouse CD14 APC (purple histogram). Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Mouse CD14 APC
REF **Catalog Number:** 17-0141
Clone: Sa2-8
Concentration: 0.2 mg/mL
Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium azide

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 0.5 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 10^5 to 10^8 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

12-1152 Anti-Mouse CD115 (c-fms) PE (AFS98)
14-0161 Anti-Mouse CD16/CD32 Purified (93)
17-4321 Rat IgG2a K Isotype Control APC (eBR2a)
25-4801 Anti-Mouse F4/80 Antigen PE-Cy7 (BM8)

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