

CD14 Monoclonal Antibody (Sa2-8), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Sa2-8
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469352

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	12 Publications

Product Specific Information

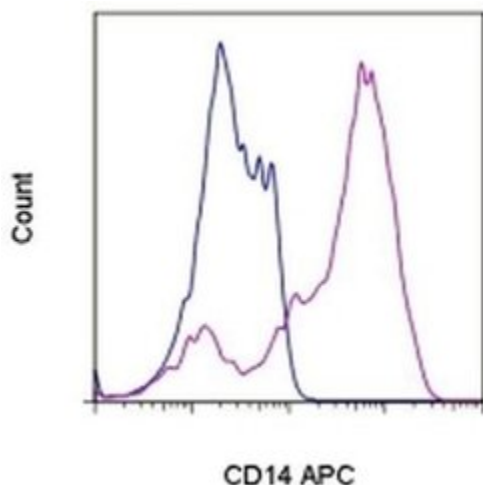
Description: The Sa2-8 monoclonal antibody reacts with mouse CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is a receptor for the complexes of LPS and LBP (LPS-Binding Protein) and is shown to associate with Toll-Like Receptor 4 (TLR4) and participate in the signaling and cellular response to bacterial 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 10⁵ to 10⁸ cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD14 Antibody (17-0141-82) in Flow

Staining of mouse thioglycolate-elicited peritoneal exudate cells with 0.25 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.25 µg of Anti-Mouse CD14 APC (purple histogram). Cells in the large scatter population were used for analysis.

[View more figures on thermofisher.com](#)

12 References

Flow Cytometry (12)

Oncology letters

Butyrate upregulates the TLR4 expression and the phosphorylation of MAPKs and NK-B in colon cancer cell *in vitro*.

"Published figure using CD14 monoclonal antibody (Product # 17-0141-82) in Flow Cytometry"

Authors: Xiao T,Wu S,Yan C,Zhao C,Jin H,Yan N,Xu J,Wu Y,Li C,Shao Q,Xia S

Species

Not Applicable

Dilution

Not Cited

Year

2018

International journal of molecular medicine

TIM4 blockade of KCs combined with exogenous TGF injection helps to reverse acute rejection and prolong the survival rate of mice receiving liver allografts.

"Published figure using CD14 monoclonal antibody (Product # 17-0141-82) in Flow Cytometry"

Authors: Wu H,Xu X,Li J,Gong J,Li M

Species

Not Applicable

Dilution

Not Cited

Year

2018

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More applications with references on thermofisher.com

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