CD14 Monoclonal Antibody (Sa2-8), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Sa2-8
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11220077

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	17 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: This 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

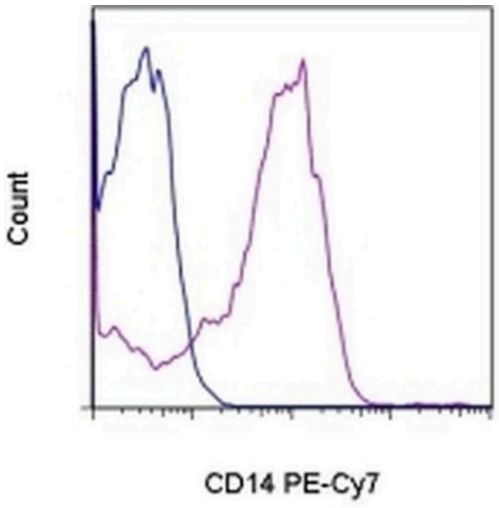
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD14 Monoclonal Antibody (Sa2-8), PE-Cyanine7, eBioscience™



CD14 Antibody (25-0141-82) in Flow
Staining of mouse thioglycolate-elicited peritoneal exudate cells with 0.5 µg of Rat IgG2a K Isotype Control PE-Cyanine7 (Product # 25-4321-82) (blue histogram) or 0.5 µg of Anti-Mouse CD14 PE-Cyanine7 (purple histogram). Total viable cells were used for analysis.

View more figures on thermofisher.cn

17 References

Flow Cytometry (17)

Acta biochimica et biophysica Sinica

Macrophage polarization is involved in liver fibrosis induced by $_{1}$- adrenoceptor autoantibody.

"Published figure using CD14 monoclonal antibody (Product # 25-0141-82) in Flow Cytometry"

Authors: Wu Y,Fan X,Yu H,Liu J,Duan Y,Zhang S,Yan L,Du Y,Liu H

Year
2022

Scientific reports

Early activation of the cardiac CX3CL1/CX3CR1 axis delays -adrenergic-induced heart failure.

"Published figure using CD14 monoclonal antibody (Product # 25-0141-82) in Flow Cytometry"

Authors: Flamant M,Mougenot N,Balse E,Le Fèvre L,Atassi F,Gautier EL,Le Goff W,Keck M,Nadaud S,Combadière C, Boissonnas A,Pavoine C

Year
2021

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More applications with references on thermofisher.cn

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