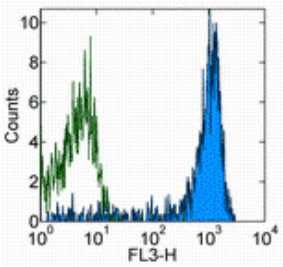
Anti-Human CD14 PE-Cyanine7

Catalog Number: 25-0149

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (open histogram) or Anti-Human CD14 PE-Cyanine7 (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD14 PE-Cyanine7

REF **Catalog Number:** 25-0149

Clone: 61D3

Concentration: 5 uL (1.0 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: V MA085

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The 61D3 monoclonal antibody reacts with human CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is expressed on monocytes, interfollicular macrophages and some dendritic cells. Complexes of LPS and LBP (LPS-Binding Protein) bind with high affinity to monocytes through the surface CD14.

Applications Reported

The 61D3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 61D3 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (1.0 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.

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 uL cell sample + 100 uL 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.

References

Fadok VA, Warner ML, Bratton DL, Henson PM. CD36 is required for phagocytosis of apoptotic cells by human macrophages that use either a phosphatidylserine receptor or the vitronectin receptor (alpha v beta 3). J Immunol 1998 Dec 1;161(11):6250-7.

Kishimoto, T., A.E.G., von dem Borne, et al. eds. 1998 Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London.

Schlossman, S., L. Bloumsell, et al. eds 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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