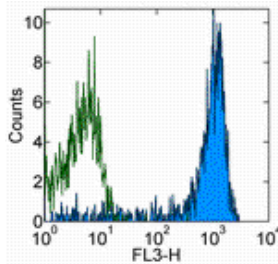


## Anti-Human CD14 PE-Cyanine7

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<sup>5</sup> to 10<sup>8</sup> 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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