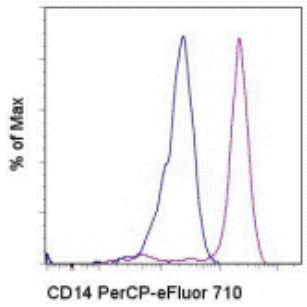
# Anti-Human CD14 PerCP-eFluor® 710

**Catalog Number:** 46-0149

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




Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (blue histogram) or Anti-Human CD14 PerCP-eFluor® 710 (purple histogram). Cells in the monocyte gate were used for analysis.

## Product Information

**Contents:** Anti-Human CD14 PerCP-eFluor® 710

REF **Catalog Number:** 46-0149

**Clone:** 61D3

**Concentration:** 5 uL (0.125 ug)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** V MA085

**Formulation:** aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

**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 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

This 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 normal human peripheral blood cells. This can be used at 5 µL (0.125 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.

**PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.**

**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

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)