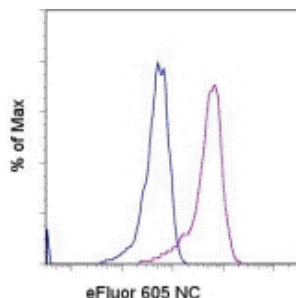


Anti-Human CD14 eFluor® 605NC

Catalog Number: 93-0149

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 605NC (cat. 93-4714) (blue histogram) or Anti-Human CD14 eFluor® 605NC (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD14 eFluor® 605NC

REF Catalog Number: 93-0149

Clone: 61D3

Concentration: 5 µL

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. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.

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

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 per test. A test is defined as the amount 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.

The isotype control eFluor 605NC mouse IgG1 (cat. 93-4714) should be used at 5 µL/test

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

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

00-4222 Flow Cytometry Staining Buffer
93-4714 Mouse IgG1 K Isotype Control eFluor® 605NC (P3.6.2.8.1)

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

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