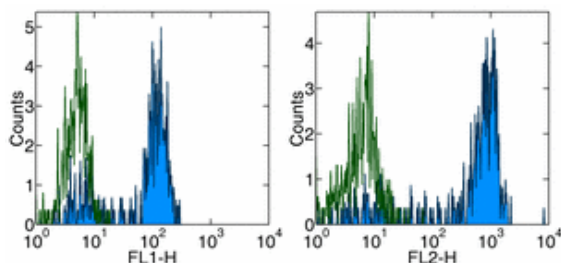


Anti-Human CD14 Purified

Catalog Number: 14-0149

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD14 FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Cells in the monocyte population were used for analysis.

Product Information

Contents: Anti-Human CD14 Purified

 Catalog Number: 14-0149

Clone: 61D3

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: V MA085

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



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, and immunohistochemical staining. 61D3 has also been reported in *in vitro* functional studies. (Please use Functional Grade purified 61D3, cat. 16-0149, in functional assays.)

Applications Tested

The 61D3 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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.

References

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.
 Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing Inc. London.
 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.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

17-4317 Streptavidin APC

