

TECHNICAL DATA SHEET

# Biotin Anti-Human CD14 (61D3)

Catalog Number: 30-0149

## PRODUCT INFORMATION

**Contents:** Biotin Anti-Human CD14 (61D3)

**Isotype:** Mouse IgG1, kappa

**Concentration:** 0.5 mg/mL

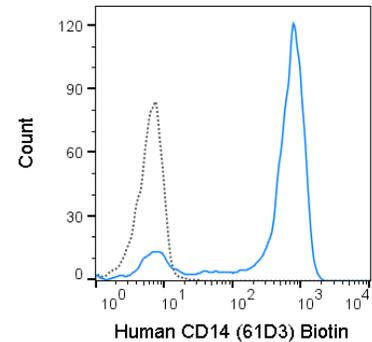
**Clone:** 61D3

**Reactivity:** Human

**Use By:** 12 months from date of receipt

**Storage Conditions:** 2-8°C

**Formulation:** 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, 0.09% NaN<sub>3</sub>, pH 7.2



Human peripheral blood monocytes were stained with 0.5 ug Biotin Anti-Human CD14 (30-0149) (solid line) or 0.5 ug Biotin Mouse IgG1 isotype control (dashed line), followed by Streptavidin PE.

## DESCRIPTION

The 61D3 antibody is specific for human CD14, a 53-55 kDa GPI-anchored glycoprotein. CD14 is highly expressed on monocytes and to a lesser extent on interfollicular macrophages, and some dendritic cells. Together with LPS-Binding Protein (LBP), CD14 binds to and mediates the innate immune response to bacterial lipopolysaccharide (LPS).

## PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted biotin removed from the preparation. It is recommended to store the product undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

## APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using an appropriate cell type (as indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

## REFERENCES

- Hogg N, Horton MA. 1987. In: McMichael AJ, Beverley PCL, Cobbold S, et al., eds. *Leucocyte Typing III: White Cell Differentiation Antigens*. New York, NY: Oxford University Press; 576-602.
- Haziot A, Chen S, Ferrero E, Low MG, Silber R, Goyert SM. 1988. *J Immunol*. 141: 547-552.
- Wright SD, Ramos RA, Tobias PS, Ulevitch RJ, Mathison JC. 1990. *Science*. 249: 1431-1433.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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