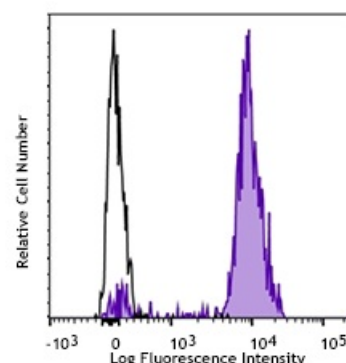


Brilliant Violet 750™ anti-human CD14

Catalog # / 2435680 / 100 tests
Size: 2435675 / 25 tests
Clone: 63D3
Isotype: Mouse IgG1, κ
Immunogen: Purified human peripheral blood monocytes.
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 750™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 750™ and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Workshop Number: HCDM listed
Concentration: Lot-specific



Human peripheral blood monocytes were stained with Brilliant Violet 750™ anti-human CD14 (clone 63D3) (filled histogram). Open histogram represents unstained cells.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.

This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

Application Notes: Clone m24 can be used as a reporter of the activation state of integrin receptor in response to exposure with Mg^{2+} or Mn^{2+} .

Application References:

1. Fridlender ZG, *et al.* 1999. *Hum. Immunol.* 11:1028.
2. Devitt A, *et al.* 1998. *Nature* 6675:505.

Description: CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein that is also known as the LPS receptor. CD14 is expressed at high levels on monocytes and macrophages, and at lower levels on granulocytes. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. As a high-affinity receptor for LPS, CD14 is involved in the clearance of gram-negative pathogens and in the upregulation of adhesion molecules and cytokine expression in monocytes and neutrophils.

Antigen 1. Stocks SC, *et al.* 1990. *Biochem. J.* 268:275.
References: 2. Wright SD, *et al.* 1990. *Science* 4975:1431.