

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD14 Monoclonal Antibody(FITC  
Conjugated)

**Catalog:** DL21463F

**Synonyms:** Monocyte differentiation antigen  
CD14, CD14, Myeloid cell-specific leucine-rich  
glycoprotein

**Background:** 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.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 20 Tests/50 Tests/100 Tests/200 Tests

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:**

**Conjugation:** FITC

**SwissProt:** P08571

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu\text{L}$  of antibody per test (million cells in 100  $\mu\text{L}$  staining volume or per 100  $\mu\text{L}$  of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data:

Human peripheral blood monocytes are stained with

Anti-Human CD14 Monoclonal Antibody(FITC Conjugated)(filled gray histogram). Unstained peripheral blood monocytes (blank black histogram) are used as control.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.