



# Mouse anti-Human CD14 mAb, APC

## Product Data Sheet

### PRODUCT INFORMATION

**Catalog#/Size :** GMH0142A-025/25 Tests  
GMH0142A-100/100 Tests

**Clone:** GM2CD14

**Isotype:** Mouse IgG1

**Reactivity:** Human

**Formulation:** Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.1% (w/v)

**Storage:** Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE

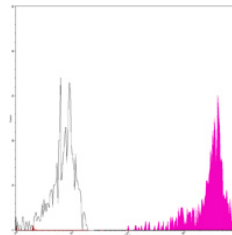
### DESCRIPTION

GM2CD14 reacts with CD14, a 53-55 kDa molecule. CD14 is a human high affinity cell-surface receptor for complexes of lipopolysaccharide (LPS-endotoxin) and serum LPS-binding protein (LPB). CD14 antigen has a strong presence on the surface of monocytes/macrophages, is weakly expressed on granulocytes, but not expressed by myeloid progenitor cells. CD14 functions as a receptor for endotoxin; when the monocytes become activated they release cytokines such as TNF, and up-regulate cell surface molecules including adhesion molecules.

### APPLICATION AND USAGE

**Applications:** FC

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 10 µl per million cells or 10 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Normal human peripheral blood monocytes analyzed with APC CD14 (GM2CD14) mAb.

### RELATED PRODUCTS

Catalog#	Product Name	Applications
GMH0142P	Mouse anti-Human CD14, PE	FC
GMH0142C	Mouse anti-Human CD14, PE-Cy5	FC
GMH0142F	Mouse anti-Human CD14, FITC	FC
GMH0142Z	Mouse anti-Human CD14, Purified	FC
GMK901A	Mouse IgG1 Isotype control, APC	FC

### REFERENCE

- McMichael, A.J. *et al.*, eds. (1987) *Leucocyte Typing III: White Cell Differentiation Antigen*, Oxford University Press, New York.
- Jyaram Y, Hogg N. *et al.*, eds. (1989) *Leucocyte Typing IV: White Cell Differentiation Antigen*. Oxford University Press, New York. 796-797.
- Wright, S.D. *et al.* (1990) *Science* **249**:1434