

Biotin anti-human CD68

Catalog # / Size: 333803 / 25 µg
333804 / 100 µg

Clone: Y1/82A

Isotype: Mouse IgG2b, κ

Workshop Number: VI MR23

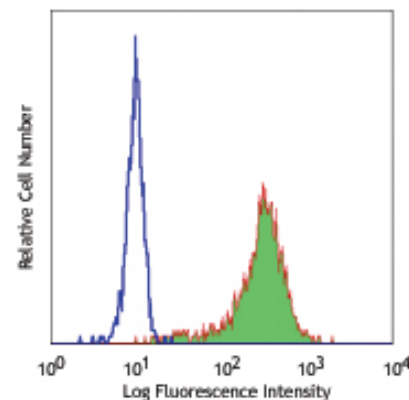
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Biotin under optimal conditions. The solution is free of unconjugated Biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Human peripheral blood monocytes intracellularly stained with biotinylated Y1/82A, followed by Sav-PE

Applications:

Applications: ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.03 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported application: immunohistochemical staining of frozen tissue sections

Application References:

1. Doussis IA, *et al.* 1993. *J. Clin. Pathol.* 46:334.
2. Davey FR, *et al.* 1988. *J. Clin. Pathol.* 41:753.
2. Tanaka M, *et al.* 2012. *Innate Immun.* 18:258. PubMed.
3. Boonak K, *et al.* 2012. *Vaccine.* 30:5603. PubMed.

Description: CD68 is a 110 kD glycoprotein, known as macrosialin, belongs to sialomucin family and is closely related to the family of acidic, highly glycosylated lysosomal-associated membrane proteins (lamps). CD68 is predominately expressed in cytoplasmic granules of monocytes/macrophages, dendritic cells, and granulocytes. It is one of the useful myeloid cell markers. Further studies have shown that CD68 is also expressed by a subset of hematopoietic progenitors, gamma/delta T cells, NK cells, LAK cells, subset of B cells, fibroblasts, and endothelial cells. The biological function of CD68 is still unknown.

Antigen References:

1. Holness CL and Simmons DL. 1993. *Blood* 81:1607.
2. Gottfried E, *et al.* 2008. *Scand. J. Immunol.* 67:453.
3. Hameed A, *et al.* 1994. *Hum. Pathol.* 25:872.

Related Products:

Product
Biotin Mouse IgG2b, κ Isotype Ctrl
Permeabilization Wash Buffer (10X)
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MG2b-57

Application
FC, ICFC
ICC, ICFC, IHC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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