![Caprico Biotechnologies logo]

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CD64 (10.1)

Type	Size	Catalog number
Unconjugated	100µg	114501
	500µg	114503
FITC	25 tests	114514
	100 tests	114515
	200 tests	114516

Antigen: CD64
Immunogen: Human Rheumatoid synovial fluid cells and fibronectin-purified monocytes
Host/Isotype: Mouse, IgG1, κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN_3 (unconjugated)
                      PBS, pH7.2, 0.09% NaN_3 and 0.2% (w/v) BSA (conjugated)
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry, IHC, IF, WB

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Application Information

Each lot of this antibody has been pre-titrated and tested by flow cytometric analysis in human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The clone 10.1, a mouse monoclonal antibody selectively binds with a 72kD single chain type I glycoprotein known as CD64 or FcγRI. CD64 is a member of the immunoglobulin superfamily. FcγRI is expressed on the cell surface in association with the γ-chain. Expression of CD64 is observed on monocytes/macrophages, dendritic cells, and activated granulocytes. CD64 plays important role in the process of antigen capture, phagocytosis and antibody-dependent cellular cytotoxicity (ADCC).

References

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2. Van Vugt, M.J, et al. 1996. Blood. 87:3593.
3. Ernst, L.K, et al. 1993. Proc. Natl. Acad. Sci. USA. 90:6023.
4. Ernst, L.K, et al. 1998. Mol. Immunol. 35:943.
5. Edberg, J.C, et al. 1999. J. Biol. Chem. 274:30328.
6. Scholl, P.R, et al. 1993. Proc. Natl. Acad. Sci. USA. 90:8847.
7. Fanger, N.A, et al. 1997. J. Immunol. 158:3090.

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.