

# CD64 Monoclonal Antibody (10.1), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	10.1
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10670630

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	6 Publications

## Product Specific Information

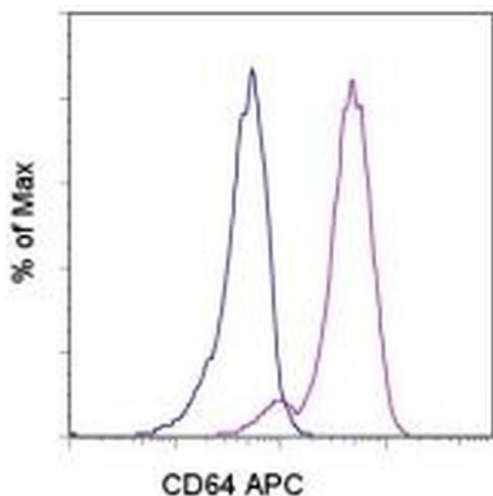
Description: The 10.1 monoclonal antibody reacts with human CD64 (FcRI), a 75 kDa type I transmembrane protein. CD64 is the high affinity receptor for IgG and is involved in antibody-dependent cell-mediated cytotoxicity (ADCC), phagocytosis, and regulation of cytokine production. Monocytes and macrophages express CD64, while mature granulocytes and lymphocytes are negative.

Applications Reported: This 10.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 10.1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



### CD64 Antibody (17-0649-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human CD64 (Fc gamma Receptor 1) APC (purple histogram). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

## 6 References

### Flow Cytometry (6)

#### Cancers

#### Murlentamab, a Low Fucosylated Anti-Müllerian Hormone Type II Receptor (AMHRII) Antibody, Exhibits Anti-Tumor Activity through Tumor-Associated Macrophage Reprogramming and T Cell Activation.

"Published figure using CD64 monoclonal antibody (Product # 17-0649-42) in Flow Cytometry"

Authors: Prat M, Salon M, Allain T, Dubreuil O, Noël G, Preisser L, Jean B, Cassard L, Lemée F, Tabah-Fish I, Pipy B, Jeannin P, Prost JF, Barret JM, Coste A

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2021

#### Cardiovascular therapeutics

#### Extracorporeal Hemadsorption versus Glucocorticoids during Cardiopulmonary Bypass: A Prospective, Randomized, Controlled Trial.

"Published figure using CD64 monoclonal antibody (Product # 17-0649-42) in Flow Cytometry"

Authors: Taleska Stupica G, Sostaric M, Bozhinovska M, Rupert L, Bosnic Z, Jerin A, Ihan A, Klokocovnik T, Podbregar M

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2020

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[More applications with references on thermofisher.com](#)

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