

# Purified Anti-Human CD64 Antibody[10.1]

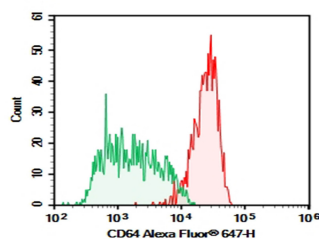
catalog number: E-AB-F1082A

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	10.1
<b>Conjugation</b>	Unconjugated
<b>buffer</b>	PBS, pH 7.2. Contains 0.05% proclin 300.

## Data



Human peripheral blood monocytes were stained with 0.2 $\mu$ g Purified Anti-Human CD64 Antibody[10.1] (Right) and 0.2 $\mu$ g mouse IgG1, $\kappa$  Isotype Control (Left), followed by AF647-conjugated goat Anti-mouse IgG Secondary Antibody, then anti-human CD14 FITC-conjugated Monoclonal Antibody.

## Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

## Background

CD64 is a 72 kD single chain type I glycoprotein also known as Fc $\gamma$ RI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. The expression can be upregulated by IFN- $\gamma$  stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).

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