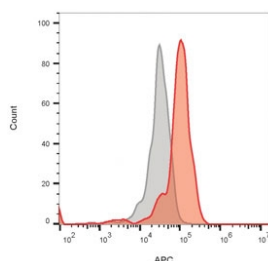


## CD64 Antibody / FCGR1A [clone 10.1] (V7768)

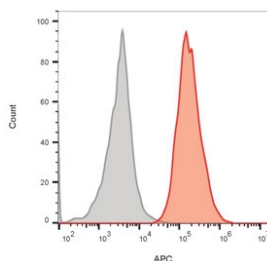
Catalog No.	Formulation	Size
V7768-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7768-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7768SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

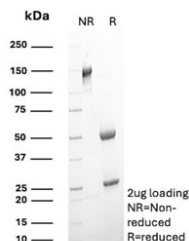
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	10.1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P12314
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells
<b>Limitations</b>	This CD64 antibody is available for research use only.



Flow cytometry staining of monocyte-gated human PBM cells with CD64 antibody (clone 10.1); Gray=isotype control, Red= CD64 antibody.



Flow cytometry staining of human U937 cells with CD64 antibody (clone 10.1); Gray=isotype control, Red= CD64 antibody.



SDS-PAGE analysis of purified, BSA-free CD64 antibody (clone 10.1) as confirmation of integrity and purity.

## Description

Three different classes of IgG Fc receptors have been described: Fc stimulation. CD64 plays a putative role in the initiation of cell-mediated cytotoxicity. Thus far, three genes encoding four distinct CD64 transcripts have been described. CD64 has been shown to associate with signal transducing subunit of the high affinity IgE receptor. Src family kinases Hck and Lyn show increased kinase activity and will co-immunoprecipitate with CD64 subsequent to receptor cross linking.

## Application Notes

Optimal dilution of the CD64 antibody should be determined by the researcher.

## Immunogen

Rheumatoid synovial fluid cells and human monocytes were used as the immunogen for the CD64 antibody.

## Storage

Store the CD64 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).