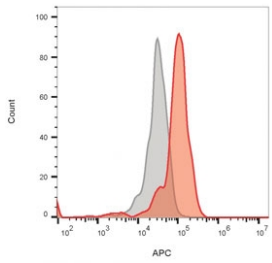
CD64 Antibody / FCGR1A [clone 10.1] (V7768)

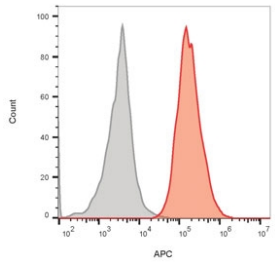
Catalog No.	Formulation	Size
V7768-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7768-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7768SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

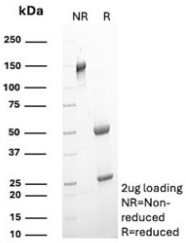
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	10.1
Purity	Protein G affinity chromatography
UniProt	P12314
Applications	Flow Cytometry : 1-2ug/million cells
Limitations	This CD64 antibody is available for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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com