

CD64 Antibody

Mouse Monoclonal Antibody [Clone 10.1]

Catalog No	Format	Size
2209-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2209-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2209-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

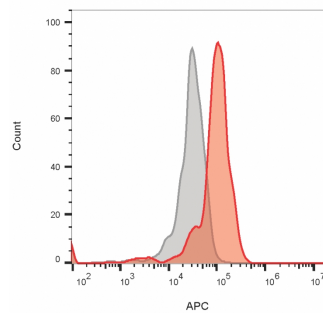
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

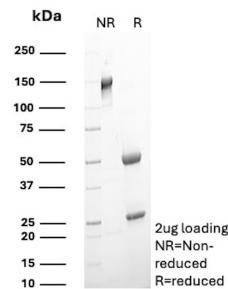
Clone	10.1
Gene Name	FCGR1A
Immunogen	FCG10.1A / CD64 antibody was raised against rheumatoid synovial fluid cells and fibronectin Purified human monocytes.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	43kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	U937 cells. Human tonsil.

*Optimal dilution for a specific application should be determined.

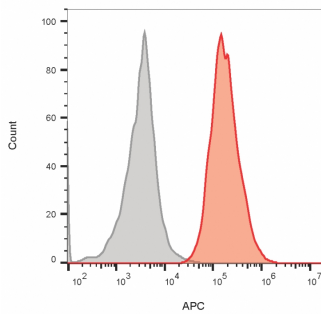
Product Images for CD64 Antibody



Flow cytometry of monocyte gated PBMCs stained with CD64 monoclonal antibody (10.1) (red) or isotype control (gray) followed by goat anti-mouse CF640R (red).



SDS-PAGE Analysis of Purified CD64 Mouse Monoclonal Antibody (10.1). Confirmation of Purity and Integrity of Antibody.



Flow cytometry of U937 cells stained with CD64 monoclonal antibody (10.1) (red) or isotype control (gray) followed by goat anti-mouse CF640R (red).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.