CD16 / Fc?Receptor III Antibody

Mouse Monoclonal Antibody [Clone ICO-116]

Catalog No	Format	Size
2214-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2214-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2214-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

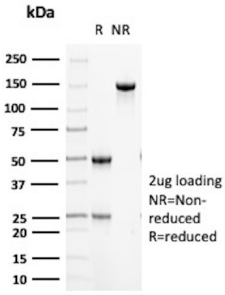
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	ICO-116
Gene Name	FCGR3A
Immunogen	Human CD16 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	50-80kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	K-562 or U-937 cells. Lymph nodes and tonsils.

**Optimal dilution for a specific application should be determined.*

Product Images for CD16 / Fc?Receptor III Antibody



SDS-PAGE Analysis of Purified CD16 Mouse Monoclonal Antibody (ICO-116). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

It recognizes CD16 (FcgammaRIII), the low-affinity receptor for IgG with an apparent molecular weight of 50-80kDa. Two similar genes represent CD16, CD16A (FcgammaRIIIA), which exists as a hetero-oligomeric polypeptide-anchored form in macrophages and NK cells and CD16B (FcgammaRIIIB), which exist as a monomeric GPI-anchored form in neutrophils. Furthermore, there are two known polymorphisms of CD16B, NA-1 and NA-2. Individuals homozygous for NA-2 show a lower phagocytic capacity compared with NA-1. CD16 binds IgG in the form of immune complexes and shows preferential binding of IgG1 and IgG3 isotypes and minimal binding of IgG2 and IgG4. Upon IgG binding, both CD16 isoforms initiate signal transduction cascades that lead to a variety of responses including antibody-dependent cell-mediated cytotoxicity (ADCC), phagocytosis, degranulation and proliferation.

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 1.0mg/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

Cardiovascular, Complement System, Dendritic Cell Marker, 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.