

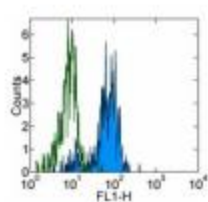
Product datasheet for **TA320330**

CD64 (FCGR1A) Mouse Monoclonal Antibody [Clone ID: 10.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10.1
Applications:	FC
Recommended Dilution:	Flow, IHC
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Fc fragment of IgG receptor Ia
Database Link:	NP_000557 Entrez Gene 2209 Human P12314
Background:	The 10.1 monoclonal antibody reacts with human CD64 (FcRI), a 75 kDa type I transmembrane protein. CD64 is the high affinity receptor for IgG and is involved in antibody-dependent cell-mediated cytotoxicity (ADCC), phagocytosis, and regulation of cytokine production. Monocytes and macrophages express CD64, while mature granulocytes and lymphocytes are negative.
Synonyms:	CD64; CD64A; FCRI; IGFR1
Protein Families:	Transmembrane
Protein Pathways:	Fc gamma R-mediated phagocytosis, Hematopoietic cell lineage, Systemic lupus erythematosus

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Product images:

Staining of normal human peripheral blood cells with 0.5 ug of Mouse IgG1 kappa Isotype Control Purified (open histogram) or 0.5 ug of Anti-Human CD64 Purified (filled histogram) followed by Anti-Mouse IgG FITC. Cells in the monocyte gate were used for analysis.