

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Human CD64 Monoclonal Antibody

**Catalog:** DL20956F

**Synonyms:** Fc fragment of IgG high affinity Ia/b/c  
receptor, CD64A/B/C, CD64, Fc gamma  
RI, FCGR1A/B/C, IGFR 1

**Background:** CD64 is a 72 kD single chain type I glycoprotein also known as Fc $\gamma$ RI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. The expression can be upregulated by IFN- $\gamma$  stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM,IHC

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** A6NKC4,P12314,Q92637

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### Storage:

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.