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# FCGR1A
# Mouse Anti-Human CD64 (Clone 10.1) mAb, R-PE

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| **Catalog No.** | MON1195R | **Quantity:** | 0.5 mL |

**Alternate Names:** High affinity immunoglobulin gamma Fc receptor I, Fc-gamma RI, CD64

**Description:** MON 1195R reacts with human CD64. This molecule serves as a high affinity receptor for IgG. Also known as FcγRI, this molecule is expressed on monocytes and macrophages. Immunogen: Rheumatoid synovial fluid cells and fibronectin purified human monocytes. CD64 is a type of integral membrane glycoprotein known as an Fc receptor that binds monomeric IgGtype antibodies with high affinity. It is more commonly known as Fc-gamma receptor 1 (FcγRI). After binding IgG, CD64 interacts with an accessory chain known as the common γ chain (γ chain), which possesses an ITAM (immunoreceptor tyrosine-based activation motif) that is necessary for triggering cellular activation. Structurally CD64 is composed of a signal peptide that allows its transport to the surface of a cell, three extracellular immunoglobulin domains of the C2-type that it uses to bind antibody, a hydrophobic transmembrane domain, and a short cytoplasmic tail.

**Concentration:** 0.1 mg/ml

**UniProt ID:** P12314

**Host:** Mouse

**Immunogen:** Human CD64

**Isotype:** IgG1

**Clone:** 10.1

**Conjugate:** FITC

**Formulation:** PBS containing 10% sucrose, 0.04% BSA and 0.1% sodium azide.

**Applications:** Flow cytometry

**Storage & Stability:** Store at 2-8°C for up to 1 year. **Protect from light.**

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