

**anti-human CD64 purified****Cat-No.: H12449      0.1 mg****Clone:** 10.1**Specificity:**

The monoclonal antibody is directed against the CD64-antigen, which is expressed on monocytes, interferon stimulated granulocytes, myelomonocytic leukaemias and myeloid cell lines. Some histiocytes are recognised by this antibody in immunohistochemistry.

**Isotype subclass:** Mouse IgG1**Form:**

Tissue culture supernatant. Purification: Protein A affinity chromatography.

**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 0.09 % sodium azide. pH 7.4

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.**Application:**

Blocks immunoglobulin binding to FcR1 receptor (clone 10.1 is the only FcR1 antibody with this reactivity). May block antibody dependent cell killing potential application in autoimmune disease. Used in production of bispecific antibodies and as an indicator of inflammation. (FcR1 induced on macrophages by interferon gamma). Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

**References:** Dougherty, G. et al., Eur. J. Immunol., 17, 1453-59 (1987).**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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