9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 36-2279: Anti-CD64 Monoclonal Antibody(Clone: 10.1)

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| **Clonality :** | Monoclonal |
| **Clone Name :** | 10.1 |
| **Application :** | FACS,IHC |
| **Reactivity :** | Human |
| **Gene :** | FCG10.1A |
| **Gene ID :** | 2209 |
| **Uniprot ID :** | P12314 |
| **Alternative Name :** | CD64; CD64A; CD64b; CD64c; Fc fragment of IgG, high affinity Ia, receptor (CD64); FCGR1; FCGR1A; FCGR1B; FCGR1C; FcRI; FcRIB; FCRIC; High affinity immunoglobulin gamma Fc receptor IB; IGFR1; IGFRB; IGFRC |
| **Isotype :** | Mouse IgG1, kappa |
| **Immunogen Information :** | FCG10.1A / CD64 antibody was raised against rheumatoid synovial fluid cells and fibronectin Purified human monocytes. |

## Description

Three different classes of IgG Fc receptors have been described: Fc stimulation. CD64 plays a putative role in the initiation of cell-mediated cytotoxicity. Thus far, three genes encoding four distinct CD64 transcripts have been described. CD64 has been shown to associate with signal transducing subunit of the high affinity IgE receptor. Src family kinases Hck and Lyn show increased kinase activity and will co-immunoprecipitate with CD64 subsequent to receptor cross linking.

## Product Info

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| **Amount :** | 20 µg / 100 µg |
| **Content :** | 200 µg/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 1mg/ml. |
| **Storage condition :** | 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. |

## Application Note

Flow Cytometry (2-4ug/million cells); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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