



CD32 Antibody [6C4] (APC)

CATALOG NUMBER: 76-195

Specifications

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| SPECIES REACTIVITY: | Human |
| TESTED APPLICATIONS: | FACS |
| USER NOTE: | Optimal dilutions for each application to be determined by the researcher. |
| SPECIFICITY: | The 6C4 monoclonal antibody specifically recognizes two isoforms of human CD32, Fc gamma RIIA and Fc gamma RIIB. |
| HOST SPECIES: | Mouse |

Properties

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| PURIFICATION: | The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product. |
| PHYSICAL STATE: | liquid |
| BUFFER: | Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2. |
| CONCENTRATION: | 5 uL (0.5 ug) / test |
| STORAGE CONDITIONS: | The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. |
| CLONALITY: | Monoclonal |
| ISOTYPE: | Mouse IgG1, kappa |
| CONJUGATE: | APC |

Additional Info

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| ALTERNATE NAMES: | CD32, FCG2, FcGR, CD32A, CDw32, FCGR2, IGFR2, FCGR2A1, FCGR2A |
| OFFICIAL SYMBOL: | FCGR2A |
| GENE ID: | 2212 |

Background

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| BACKGROUND: | The 6C4 monoclonal antibody specifically recognizes two isoforms of human CD32, Fc gamma RIIA and Fc gamma RIIB. From alternative mRNA splicing, 6 isoforms of CD32 have been reported. CD32 is a 40 kDA polymorphic transmembrane glycoprotein expressed on monocytes, macrophages, granulocytes, B cells, and platelets. The receptor has low affinity toward IgG and is involved in immunomodulation, phagocytosis, and the inflammation response. The 6C4 antibody in a rosette blocking assay is reported to inhibit Ig binding |
| REFERENCES: | <p>1) VELY, F., GRUEL, N., MONCUIT, J., COCHET, O., ROUARD, H., DARE, S., ... TEILLAUD, J. L. (1997). A new set of monoclonal antibodies against human Fc-gamma RII (CD32) and Fc-gamma RIIB (CD16): characterization and use in various assays. <i>Hybridoma</i>, 16(6), 519-528.</p> <p>2) Liebert, M. A. (1997). 6C4, 2B2, 3D3. <i>Hybridoma</i>, 16(6).</p> <p>3) Bouhlal, H., Martinvalet, D., Teillaud, J. L., Fridman, C., Kazatchkine, M. D., Bayry, J., ... Kaveri, S. V. (2014). Natural Autoantibodies to Fc-gamma Receptors in Intravenous Immunoglobulins. <i>Journal of clinical immunology</i>, 1-8.</p> |

