

Monoclonal Antibody to CD32 / FcRII-a - FITC

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| Alternate names: | CDw32, FCG2, FCGR2A, FCGR2A1, Fc-gamma RII-a, Fc-gamma-RIIa, IGFR2, IgG Fc receptor II, Low affinity immunoglobulin gamma Fc region receptor II |
| Catalog No.: | SM1092FT |
| Quantity: | 25 µg |
| Concentration: | 0.1 mg/ml |
| Background: | Human CD32 antigen is a 40 kD glycoprotein that acts as a low affinity receptor for IgG (also known as Fc gamma RII). The antigen mediates several functions including endocytosis, activation of secretion, cytotoxicity and immunomodulation. CD32 is expressed by B cells, monocytes, granulocytes and platelets. |
| Uniprot ID: | P12318 |
| NCBI: | NP_001129691.1 |
| GeneID: | 2212 |
| Host / Isotype: | Mouse / IgG1 |
| Clone: | AT10 |
| Immunogen: | K562 cell line. |
| Format: | State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1 |
| Applications: | Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10e6 cells or 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | The antibody recognizes the human CD32 antigen. Clone AT10 blocks the binding of IgG to Fc gamma R11 (see ref. 4). The use of SM1092LE is recommended for this purpose. Species: Cross reacts with Rhesus monkey and Dog . Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General References: | 1. Greenman, J. et al. (1991) Characterisation of a new monoclonal anti-Fc gamma RII antibody, AT10, and its incorporation into a bispecific F(ab') ₂ derivative for recruitment of |

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

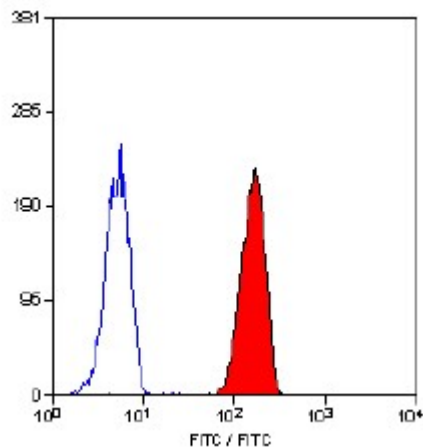
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cytotoxic effectors. *Mol. Immunol.* 28: 1243-1254.

2. Can den Herik-Oudjik, I.E. et al. (1994) Functional analysis of human Fc gamma RII (CD32) isoforms expressed in B lymphocytes. *J. Immunol.* 152: 574-585.

3. Lilliehook, I. et al. (1998) Expression of adhesion and Fc gamma - receptors on canine blood eosinophils and neutrophils studied by anti-human monoclonal antibodies. *Vet. Immunol. Immunopathol.* 61: 181 - 193.

4. Larsson, M. et al. (1997) Human dendritic cells handling of binding, uptake and degradation of free and IgG - immune complexed dinitrophenylated human serum albumin in vitro. *Immunology.* 90: 138-146.

Pictures:

Staining of human peripheral blood granulocytes with Mouse anti Human CD32-FITC.

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