antibodies .- online.com







anti-CD35 antibody (PE)





Publication



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| \cup \vee \cup | 1 V I | CVV |

| Quantity: | 100 tests |
|--------------|--|
| Target: | CD35 (CR1) |
| Reactivity: | Human, Non-Human Primate |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD35 antibody is conjugated to PE |
| Application: | Flow Cytometry (FACS) |

Product Details

| Immunogen: | Acute monocytic leukemia cells and normal blood monocytes |
|-----------------------------|--|
| Clone: | E11 |
| Isotype: | IgG1 |
| Specificity: | The mouse monoclonal antibody E11 recognizes an extracellular epitope of CD35 (CR1), a type I transmembrane glycoprotein expressed on granulocytes, monocytes, B cells, folicular dendritic cells, erythrocytes, NK and T cell subsets, as well as e.g. on glomerulal podocytes. |
| Cross-Reactivity (Details): | Human, Non-Human Primates |
| Purification: | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |

Target Details

| Target: | CD35 (CR1) | | |
|---------|------------|--|--|
|---------|------------|--|--|

Target Details

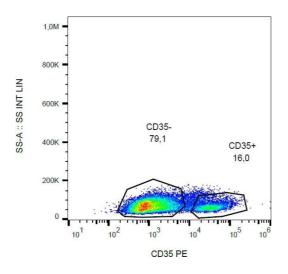
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| Alternative Name: | CD35 (CR1 Products) |
| Background: | Complement C3b/C4b receptor 1 (Knops blood group),CD35 (complement receptor 1, CR1) is a |
| | monomeric multiple modular cell surface glycoprotein which serves as receptor for C3b and |
| | C4b, the most important components of the complement system leading to clearance of |
| | foreign macromolecules. It is expressed mainly on the surface of granulocytes, monocytes, |
| | erythrocytes, B cells and folicular dendritic cells. Besides its role in complement cascade, CD35 |
| | is involved in blocking BCR-induced proliferation and the differentiation of B cells to |
| | plasmablasts and their Ig production.,CR1, KN, C3BR, C4BR |
| Gene ID: | 1378 |
| UniProt: | P17927 |
| Pathways: | Complement System, Regulation of Leukocyte Mediated Immunity, Positive Regulation of |
| | Endopeptidase Activity |
| Application Dataila | |
| Application Details | |
| Application Notes: | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent |
| | / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient fo |
| | 100 tests. |
| Comment: | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The |
| | conjugate is purified by size-exclusion chromatography and adjusted for direct use. No |
| | reconstitution is necessary. |
| Restrictions: | For Research Use only |
| Handling | |
| Buffer: | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. |
| | |

Product cited in:

Hogg, Ross, Jones, Slusarenko, Walport, Lachmann: "Identification of an anti-monocyte monoclonal antibody that is specific for membrane complement receptor type one (CR1)." in:

European journal of immunology, Vol. 14, Issue 3, pp. 236-43, (1984) (PubMed).

Images



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD35 in human peripheral blood with anti-CD35 (E11) PE.