Mouse Anti-Human CD16

**Overview**

<table>
<thead>
<tr>
<th>Clone</th>
<th>GRM1</th>
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<tbody>
<tr>
<td>Isotype</td>
<td>Mouse (BALB/c) IgG2aκ</td>
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<td>Immunogen</td>
<td>Mononuclear cells from a prolymphocytic B-leukemia</td>
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<td>Specificity</td>
<td>Human CD16; Mr 50-65 kDa</td>
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<td>Alternate Name(s)</td>
<td>FcγRIII, low affinity Fc receptor</td>
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<tr>
<td>Workshop</td>
<td>III 306; IV N408; V MA67</td>
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**Description**

CD16, a member of the immunoglobulin superfamily, is a 50-65 kDa glycoprotein found as both a transmembrane and GPI-linked form. The transmembrane form of CD16 is expressed on NK cells, granulocytes, macrophages, and mast cells but not on eosinophils. The GPI-anchored type of CD16 is found only on neutrophils. CD16 is involved in NK activation and signal transduction.

**Applications**

- FC – Quality tested
- IHC-FS – Reported in literature
- IP – Reported in literature
- WB – Reported in literature
- ELISA – Reported in literature
- CMCD – Reported in literature

**Working Dilutions**

**Flow Cytometry**

- Purified (UNLB) antibody ≤ 1 μg/10⁶ cells
- FITC, BIOT, PE, SPRD, AF488, AF647, and AF700 conjugates 10 μL/10⁶ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL.

**Other Applications**

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC), Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), and Alexa Fluor® 700 (AF700) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Spectral Red® (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

References


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