Mouse Anti-Human CD16

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>9571-01</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>9571-02</td>
<td>Fluorescein (FITC)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-08</td>
<td>Biotin (BIOT)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-09</td>
<td>R-phycocerythrin (PE)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>9571-26</td>
<td>Pacific Blue™ (PACBLU)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-27</td>
<td>Alexa Fluor® 700 (AF700)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>100 tests</td>
</tr>
<tr>
<td>9571-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>100 tests</td>
</tr>
</tbody>
</table>

Overview

Clone 3G8
Isotype Mouse (CD2F1) IgG1κ
Immunogen Human polymorphonuclear leukocytes
Specificity Human/Chimpanzee CD16; Mr 50-65 kDa
Alternate Name(s) FcγRIII, low affinity Fc receptor
Workshop IV N409; V MR5

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
ICC – Reported in literature
IP – Reported in literature
WB-NR – Reported in literature
Stim – Reported in literature
Costim – Reported in literature
Block – Reported in literature

Working Dilutions

Flow Cytometry
- Purified (UNLB) antibody ≤ 1 µg/10⁶ cells
- FITC, BIOT, PE, AF488, AF647, AF700, and PACBLU 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), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) 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 low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20°C.
- 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 SDS.

References