

## DATA SHEET

# CD16

(Cat #5130-P)

**MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD16, PURIFIED**

<b>Clone</b>	CB16
<b>Isotype</b>	IgG1
<b>Partner of fusion</b>	NS0
<b>Specificity</b>	<p>CD16 (FcγRIII) is the low-affinity receptor for IgG and is highly expressed on NK cells, granulocytes and to a lesser extent on monocytes and macrophages. This molecule is encoded by two different genes, generating alternative membrane-anchored proteins (transmembrane and GPI-anchored), with distinct signalling capacities.</p> <p>The CB16 antibody recognize the transmembrane form, FcγRIIIa.</p>
<b>Application</b>	Flow Cytometry, Western blot <sup>(1)</sup> , immunomagnetic isolation of human CD16 <sup>+</sup> cells <sup>(2)</sup> .
<b>Form</b>	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
<b>Size</b>	0.1 mg
<b>Suggested amount</b>	<p>Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (BioCytex ref. 7208).</p> <p>For indirect immunofluorescence : use 50 µL of antibody at 10 µg/mL per 10<sup>6</sup> cells in 100 µL sample.</p> <p>For other applications : the optimal dilution should be determined by the investigator.</p>
<b>Preservative</b>	Sodium Azide < 0.1 %.
<b>Storage</b>	<p>As delivered at +2-8°C until expiration date.</p> <p>After opening, aliquote contents and freeze at -20°C.</p> <p>Avoid repeated freezing and thawing.</p>
<b>HLDA Workshop</b>	N/A
<b>References</b>	<p>1. Deaglio S. <i>et al.</i>, Blood. 2002, 99(7), 2490-2498.</p> <p>2. Zilber MT. <i>et al.</i>, Proc Natl Acad Sci USA. 2000, 97(6), 2840-2845.</p>

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