

## DATA SHEET

**CD36**

(Cat #5114-P)

**MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD36, PURIFIED**

<b>Clone</b>	10.5
<b>Isotype</b>	IgG2a
<b>Immunogen</b>	CD36-expressing recombinant vaccinia virus.
<b>Specificity</b>	<p>This antibody recognizes an epitope within the human CD36 domain 155-183. It has been described to completely inhibit oxLDL binding to human CD36-transfected cells <sup>(3)</sup>. This antibody also potentiates ADP-induced platelet activation <sup>(2)</sup>.</p> <p>CD36 (also known as platelet GpIIb, platelet GpIV and thrombospondin receptor) is expressed on platelets, megakaryocytes, monocytes, macrophages, endothelial cells and some human tumor cell lines.</p>
<b>Application</b>	Flow Cytometry.
<b>Form</b>	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1mL.
<b>Size</b>	0.1 mg Sufficient for 500 tests within PLATELET Calibrator technology or 200 tests for indirect immunofluorescence.
<b>Suggested amount</b>	<p>Quantitative flow cytometry : follow the package insert of PLATELET Calibrator kit (BioCytex ref. 7011).</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>
<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>Reference</b>	<ol style="list-style-type: none"><li>1. Malaud E. <i>et al.</i>, Biochem J. 2002, 364, 507-515.</li><li>2. Daviet L. <i>et al.</i>, Eur J Biochem. 1997, 243(1-2), 344-349.</li><li>3. Puente Navazo MD. <i>et al.</i>, Arterioscler Thromb Vasc Biol. 1996, 16(8), 1033-1039.</li><li>4. Navazo MD. <i>et al.</i>, J Biol Chem. 1996, 271(26), 15381-15385.</li></ol>
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