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DATA SHEET

CD36

(Cat #5114-P)

MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD36, PURIFIED

Clone	10.5
Isotype	IgG2a
Immunogen	CD36-expressing recombinant vaccinia virus.
Specificity	<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 ⁽³⁾. This antibody also potentiates ADP-induced platelet activation ⁽²⁾.</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>
Application	Flow Cytometry.
Form	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1mL.
Size	<p>0.1 mg</p> <p>Sufficient for 500 tests within PLATELET Calibrator technology or 200 tests for indirect immunofluorescence.</p>
Suggested amount	<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 10⁶ cells in 100 µL sample.</p>
Preservative	Sodium azide < 0.1%.
Storage	<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>
HLDA Workshop	N/A
Reference	<ol style="list-style-type: none">1. Malaud E. <i>et al.</i>, Biochem J. 2002, 364, 507-515.2. Daviet L. <i>et al.</i>, Eur J Biochem. 1997, 243(1-2), 344-349.3. Puente Navazo MD. <i>et al.</i>, Arterioscler Thromb Vasc Biol. 1996, 16(8), 1033-1039.4. Navazo MD. <i>et al.</i>, J Biol Chem. 1996, 271(26), 15381-15385.
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