

MOUSE ANTI-HUMAN CD42B BIOTIN CONJUGATED MONOCLONAL ANTIBODY**CATALOG NUMBER:** CBL480B **QUANTITY:** 100 test**LOT NUMBER:****CLONE NAME:** MM2/174 **HOST/ISOTYPE:** Ms IgG1**SPECIFICITY:** The antibody is directed against the CD42b antigen, platelet glycoprotein GPIb that serves as a receptor for von Willebrand factor and as a high affinity thrombin receptor. CBL 480 immunoblots a band of 130 kDa on SDS gels of platelet lysates and gives surface immunofluorescence with fixed or unfixed platelets. The antigen is absent or present in very low levels on platelets of patients with the Bernard-Soulier syndrome.
FUSION PARTNER: SP2/0 myeloma cell line**APPLICATIONS:** Immunofluorescence studies of platelets, reacts with GPIb molecule
Studies with platelets and megakaryocytes in frozen sections by immunohistochemistry
Functional studies involving von Willebrand's factor binding to GPIb
Flow cytometry
Optimal working dilutions must be determined by the end user.**SPECIES REACTIVITY:** Reacts with Human. Reactivity with other species has not been determined.**IMMUNOGEN:** Human plasma membrane**FORMAT:** Purified immunoglobulin, purified by Protein A affinity chromatography**PRESENTATION:** The conjugate is supplied as a 100 test vial in phosphate buffered saline containing 10mM sodium azide and 1mg/ml bovine serum albumin. For flow cytometry we recommend using 10µL of conjugate per test.**STORAGE/HANDLING:** Store at +4°C protected from light. DO NOT FREEZE. For long term use and storage aliquot conjugate into small volumes and store at +4°C for up to one year.**REFERENCES:** Hornby, E. J. et al. (1991). Br. J. Haem. 79:277-85.
Leucocyte Typing IV (1989). Oxford University Press
Thorsen, L. I. et al. (1988). Br. J. Haem. 68:67-74.

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Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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