

**MOUSE ANTI-HUMAN CD41A FITC CONJUGATED MONOCLONAL ANTIBODY****CATALOG NUMBER:** CBL130F **QUANTITY:** 100 test**LOT NUMBER:****ALTERNATE NAMES:** intact Platelet gpIIb/IIIa Complex**CLONE NAME:** DD4.1 **HOST/ISOTYPE:** Ms IgG1

**SPECIFICITY:** The antibody recognises the intact platelet gpIIb/IIIa complex, it does not bind to dissociated gpIIb or gpIIIa only to gpIIb in the intact complex. This is found on platelets, megakaryocytes and monocytes. Acute megakaryoblastic leukaemia cells are positive for the gpIIb/IIIa antigen whereas common myeloid leukaemias are negative.  
**FUSION PARTNER:** NS1 myeloma cell line

**APPLICATIONS:** Identification of the alpha-integrin chain of gpIIb/IIIa expression on platelets, megakaryocytes and monocytes by direct immunofluorescence staining Acute leukaemia phenotyping Studies of Glanzmann's thrombasthenia where gpIIb/IIIa is absent or significantly reduced Ligand binding occurs in part via an RGD sequence which is known to be of importance for certain other adhesion interactions with extracellular proteins Optimal working dilutions must be determined by the end user.

**SPECIES REACTIVITY:** Reacts with Human. Reactivity with other species has not been determined.

**IMMUNOGEN:** Medulloblastoma tissue

**FORMAT:** Purified immunoglobulin, purified by Protein A affinity chromatography

**PRESENTATION:** The conjugate is supplied as a 100 test/1 mL 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:** Kieffer, N. & Phillips, D. R. (1990). Ann. Rev. Cell Biol. 6:334-57.  
Leucocyte Typing IV (1989). Oxford University Press  
Kemshead, J. (1984). Brit. J. Haem. 57:621-24.

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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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