

## MOUSE ANTI-HUMAN CD34 TYPE III MONOCLONAL ANTIBODY

**CATALOG NUMBER:** CBL555

**QUANTITY:** 100 µg

**LOT NUMBER:**

**CONCENTRATION:** 0.1 mg/mL

**CLONE NAME:** 581

**HOST/ISOTYPE:** Ms IgG1

**SPECIFICITY:**  
and glycoprotease.

Clone 581 reacts with the class III CD34 epitope is resistant to neuraminidase, chymopapain

The antibody reacts with a single-chain 105-120 kDa heavily O-glycosylated transmembrane glycoprotein which is expressed on haematopoietic progenitor cells, vascular endothelium and some tissue fibroblasts. The intracellular chain of the CD34 antigen is a site of phosphorylation by activated protein kinase C suggesting a putative role in signal transduction. CD34 may also play a role in the adhesion of specific antigens to endothelium.

**APPLICATIONS:**

Study of the Class III CD34 epitope by FACS  
Optimal working dilutions must be determined by the end user.

**SPECIES REACTIVITY:**

Reacts with Human. Reactivity with other species has not been determined.

**PRESENTATION:**

Protein G affinity chromatography. The monoclonal is presented in phosphate buffered saline containing 10mM sodium azide and 1mg/ml bovine serum albumin. We recommend that each laboratory determine an optimum working titre for use in its particular application.

**STORAGE/HANDLING:**

For use within 1 month of purchase store at +4°C, for long term storage aliquot antibody into small volumes and store at -20°C for up to one year.

**REFERENCES:**

Leucocyte Typing V (1995). Schlossman, S. et al., Eds. Oxford University Press, Oxford :383-385.  
Owens, N. A. & Loken, M. R. (1995). Flow Cytometry Principles for Clinical Laboratory Practice. J. Wiley & Sons, New York  
Egeland, T. G. et al. (1993). Transpl. Proc. 25:1261.  
Leucocyte Typing IV (1989). Oxford University Press

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**Important Note:**  
product

During shipment, small volumes of product will occasionally become entrapped in the seal of the 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.

