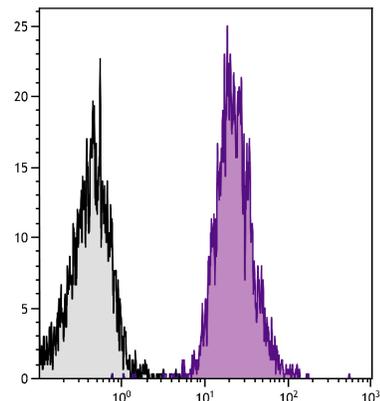




Mouse Anti-Human CD42b

Cat. No.	Format	Size
9615-01	Purified (UNLB)	0.1 mg
9615-02	Fluorescein (FITC)	100 tests
9615-08	Biotin (BIOT)	100 tests
9615-09	R-phycoerythrin (PE)	100 tests
9615-11	Allophycocyanin (APC)	100 tests
9615-13	Spectral Red® (SPRD)	100 tests
9615-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Human peripheral blood platelets were stained with Mouse Anti-Human CD42b-APC (SB Cat. No. 9615-11).

Overview

Clone	MM2/174
Isotype	Mouse IgG _{1κ}
Immunogen	Human plasma membrane
Specificity	Human CD42b; Mr 145 kDa
Alternate Name(s)	GPIb α , glyocalicin
Workshop	IV P88

Description

CD42b, also known as GPIb α , is a two-chain membrane glycoprotein that forms a noncovalent complex with CD42a (GPIX) on the surface of platelets and megakaryocytes. Binding of the GPIb/GPIX heterodimer to von Willebrand factor bound to exposed subendothelial surfaces is essential for platelet adhesion at sites of injury.

Applications

FC – Quality tested ^{5,6}
 IHC-FS – Reported in literature ²
 IHC-PS – Reported in literature ^{3,4}
 ICC – Reported in literature ²
 IP – Reported in literature ¹
 WB – Reported in literature ³

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC, BIOT, PE, APC, and SPRD conjugates	$10 \mu\text{L}/10^6$ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL .	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE), allophycocyanin (APC), and Spectral Red® (SPRD) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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Spectral Red® is a PE/CY5 tandem conjugate.

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