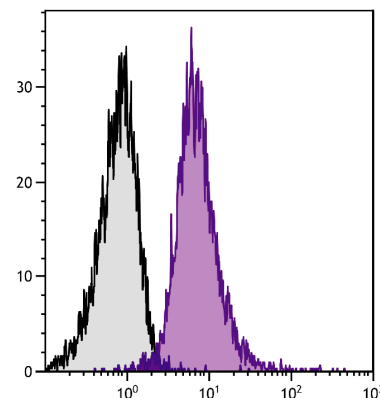




Rat Anti-Mouse CD11a

Cat. No.	Format	Size
1555-01	Purified (UNLB)	0.5 mg
1555-02	Fluorescein (FITC)	0.5 mg
1555-08	Biotin (BIOT)	0.5 mg
1555-09	R-phycoerythrin (PE)	0.1 mg
1555-09L	R-phycoerythrin (PE)	0.2 mg
1555-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1555-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD11a-PE/CY7 (SB Cat. No. 1555-17).

Overview

Clone	I21/7
Isotype	Rat (Lewis) IgG _{2a} K
Immunogen	Whole BW5147 cells
Specificity	Mouse/Human CD11a; Mr 180 kDa
Alternate Name(s)	LFA-1, LFA-1 α , integrin α_L

Description

The monoclonal antibody I21/7 reacts with the α subunit of mouse and human CD11a, also known as LFA-1, and a member of the integrin family of cell adhesion molecules. The antigen is expressed on thymocytes, T and B lymphocytes, and on non-lymphoid cells in the bone marrow. CD11a appears to be an essential component for T-cell activation by antigen-presenting cells and is important for cell-mediated killing. Costimulatory signaling by LFA-1 is achieved by pairing with its ligand, CD54/ICAM-1.

Applications

FC – Quality tested ⁵⁻⁸
 IHC-FS – Reported in literature ²
 ICC – Reported in literature ³
 IP – Reported in literature ^{1,4}
 Block – Reported in literature ¹

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	$\leq 1 \mu\text{g}/10^6 \text{ cells}$
	PE and PE/CY7 conjugates	$\leq 0.2 \mu\text{g}/10^6 \text{ cells}$
	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 0.5 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 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 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.
- The R-phycoerythrin-Cyanine 7 (PE/CY7) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- 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.

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