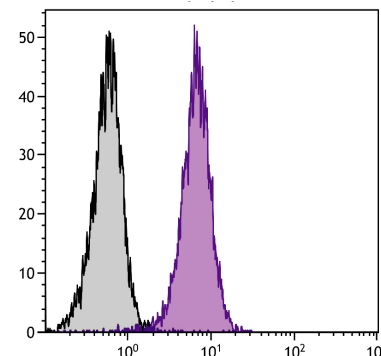




Rat Anti-Mouse CD2

Cat. No.	Format	Size
1525-01	Purified (UNLB)	0.5 mg
1525-02	Fluorescein (FITC)	0.5 mg
1525-02S	Fluorescein (FITC)	0.1 mg
1525-08	Biotin (BIOT)	0.5 mg
1525-09	R-phycoerythrin (PE)	0.1 mg
1525-09L	R-phycoerythrin (PE)	0.2 mg
1525-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD2-FITC (SB Cat. No. 1525-02).

Overview

Clone	12-15
Isotype	Rat (Sprague Dawley) IgG ₁ K
Immunogen	Crude plasma membranes of ESb cells
Specificity	Mouse CD2; Mr 45-58 kDa
Alternate Name(s)	LFA-2, T11, Ly37, SRBC-R, Leu-5, LFA-3 receptor

Description

CD2, also known as leukocyte function-associated antigen-2 (LFA-2), is a member of the immunoglobulin superfamily of cell adhesion molecules. It is expressed on the surface of >95% of thymocytes, and essentially all B cells, T cells and NK cells. In the mouse, CD2 is the receptor for CD48. CD2 is thought to play a major role in mediating T-cell adhesion, T-cell recognition/activation, T-cell signaling, and intrathymic differentiation.

Applications

FC – Quality tested ^{1,7,9}
 IP – Reported in literature ^{1,7}
 Sep – Reported in literature ²
 Block – Reported in literature ³⁻⁷
 Purification – Reported in literature ^{1,8}

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE conjugate	≤ 0.5 µg/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 0.5 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 or 0.1 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.
- 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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TB1525
07-Oct-21