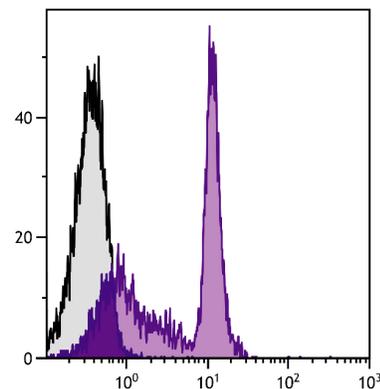




## Rat Anti-Mouse CD45RC

Cat. No.	Format	Size
1685-01	Purified (UNLB)	0.5 mg
1685-08	Biotin (BIOT)	0.5 mg
1685-09	R-phycoerythrin (PE)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD45RC-UNLB (SB Cat. No. 1685-01) followed by Mouse Anti-Rat IgM-FITC (SB Cat. No. 3080-02).

### Overview

<b>Clone</b>	GL24
<b>Isotype</b>	Rat (Lewis) IgM $\kappa$
<b>Immunogen</b>	Activated DBA/2 B cells
<b>Specificity</b>	Mouse CD45RC; Mr 200-240 kDa
<b>Alternate Name(s)</b>	N/A

### Description

CD45RC represents an exon C-dependent isoform of CD45 glycoprotein. It is expressed at high density on all B lymphocytes, at intermediate density on most CD8<sup>+</sup> splenic T cells, and on two subpopulations of CD4<sup>+</sup> splenic T cells with high and low density of expression. CD45RC is also present on a small subset of thymocytes.

### Applications

FC – Quality tested <sup>1-3</sup>  
 IP – Reported in literature <sup>1</sup>

### Working Dilutions

<b>Flow Cytometry</b>	BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100  $\mu\text{L}$ .

**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

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- 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 biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> 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

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

## References

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1. Hathcock KS, Laszlo G, Dickler HB, Sharrow SO, Johnson P, Trowbridge IS, et al. Expression of variable exon A-, B-, and C-specific CD45 determinants on peripheral and thymic T cell populations. *J Immunol.* 1992;148:19-28. (Immunogen, IP, FC)
2. Hathcock KS, Hirano H, Murakami S, Hodes RJ. CD45 expression by B cells. Expression of different CD45 isoforms by subpopulations of activated B cells. *J Immunol.* 1992;149:2286-94. (FC)
3. Czömpöly T, Lábadi A, Balázs M, Németh P, Balogh P. Use of cyclic peptide phage display library for the identification of a CD45RC epitope expressed on murine B cells and their precursors. *Biochem Biophys Res Commun.* 2003;307:791-6. (FC)

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