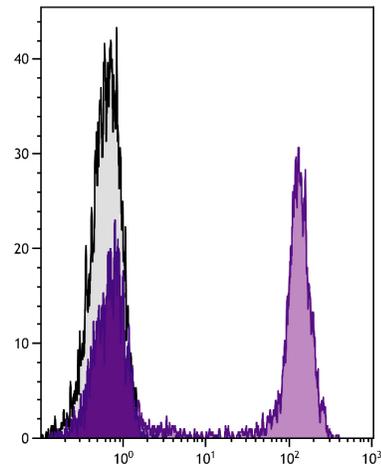




Rat Anti-Mouse CD45R

Cat. No.	Format	Size
1665-01	Purified (UNLB)	0.5 mg
1665-02	Fluorescein (FITC)	0.5 mg
1665-02S	Fluorescein (FITC)	0.1 mg
1665-08	Biotin (BIOT)	0.5 mg
1665-09	R-phycoerythrin (PE)	0.1 mg
1665-09L	R-phycoerythrin (PE)	0.2 mg
1665-10	R-phycoerythrin-Texas Red® (PE/TXRD)	0.1 mg
1665-11	Allophycocyanin (APC)	0.1 mg
1665-13	Spectral Red® (SPRD)	0.1 mg
1665-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1665-15	Cyanine 5 (CY5)	0.1 mg
1665-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	0.1 mg
1665-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
1665-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	0.1 mg
1665-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
1665-26	Pacific Blue™ (PACBLU)	0.1 mg
1665-27	Alexa Fluor® 700 (AF700)	0.1 mg
1665-30	Alexa Fluor® 488 (AF488)	0.1 mg
1665-31	Alexa Fluor® 647 (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Rat Anti-Mouse CD45R-PE/TXRD (SB Cat. No. 1665-10).

Overview

Clone	RA3-6B2
Isotype	Rat IgG _{2a} k
Immunogen	Abelson murine leukemia virus-induced pre-B cell lymphoma
Specificity	Mouse/Human/Feline CD45R; Mr 220 kDa
Alternate Name(s)	B220, Ly-5, Lyt-4, Ptprc, Receptor-type tyrosine-protein phosphatase C

Description

CD45R, also known as B220, a member of the protein tyrosine phosphate family and a major cell surface glycoprotein, represents a restricted form of the CD45 family which primarily recognizes only cells of B-lineage from pro-B cell through mature B lymphocytes and prior to the availability of anti-CD19 monoclonal antibodies was commonly used as a pan B-cell marker. It also reacts with certain activated T cells as well as non-MHC-restricted lytically active lymphokine-activated killer (LAK) cells. *In vivo* administration of RA3-6B2 has been shown to affect differentiation of both T and B cells in normal mice and reduce the level of anti-DNA antibodies and lymphadenopathies in MRL/*lpr* mice.

Applications

FC – Quality tested ^{1,3,7-12}
 IHC-FS – Reported in literature ^{3,5,6}
 IHC-PS – Reported in literature ^{3,4}
 IP – Reported in literature ^{1,2}
 WB – Reported in literature ²
 Block – Reported in literature ¹

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 ⁶ cells
	PE, PE/TXRD, APC, SPRD, CY5, APC/CY5.5, APC/CY7, PE/CY5.5, PE/CY7, AF647, AF700, and PACBLU conjugates	≤ 0.2 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.

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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 allophycocyanin (APC) 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!**
- The Spectral Red® (SPRD), R-phycoerythrin-Texas Red® (PE/txRD), R-phycoerythrin-Cyanine 7 (PE/CY7), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), allophycocyanin-Cyanine 5.5 (APC/CY5.5), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.1 mg 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.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- 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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