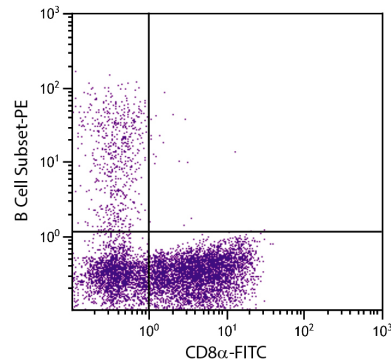




Mouse Anti-Porcine B Cell Subset

Cat. No.	Format	Size
4550-01	Purified (UNLB)	0.5 mg
4550-02	Fluorescein (FITC)	0.5 mg
4550-08	Biotin (BIOT)	0.5 mg
4550-09	R-phycoerythrin (PE)	0.1 mg



Porcine peripheral blood lymphocytes were stained with Mouse Anti-Porcine B Cell Subset-PE (SB Cat. No. 4550-09) and Mouse Anti-Porcine CD8 α -FITC (SB Cat. No. 4520-02).

Overview

Clone	BB6-10A10
Isotype	Mouse IgM κ
Immunogen	Unknown
Specificity	Indeterminate
Alternate Name(s)	N/A

Description

The monoclonal antibody BB6-10A10 stains the following percentages of surface immunoglobulin (sIg) positive cells in porcine lymphoid tissues - 11-15% in peripheral blood, 22-23% in mesenteric lymph nodes, 79-87% in ileal Peyer's patches (ILPP), 6-17 in spleen, and 0% in thymus. While identification of the antigen(s) that are found predominantly on ILPP B cells and which are recognized by BB6-10A10 is speculative, the antibody appears to react with an immature population of B cells in the follicles of ILPPs and with a subpopulation of sIg^{low} B cells in lymph nodes.

Applications

FC – Quality tested ¹

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	$\leq 1 \mu\text{g}/10^6$ 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 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 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 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.

References

1. Denham S, Zwart RJ, Whittall JT, Pampusch M, Corteyn AH, Bianchi AT, et al. Monoclonal antibodies putatively identifying porcine B cells. *Vet Immunol Immunopathol.* 1998;60:317-28. (FC)