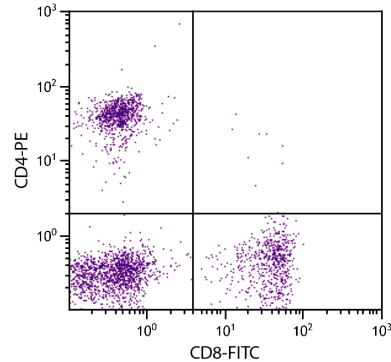




Mouse Anti-Feline CD4

Cat. No.	Format	Size
8130-01	Purified (UNLB)	0.5 mg
8130-02	Fluorescein (FITC)	0.5 mg
8130-08	Biotin (BIOT)	0.5 mg
8130-09	R-phycoerythrin (PE)	0.1 mg



Feline peripheral blood lymphocytes were stained with Mouse Anti-Feline CD4-PE (SB Cat. No. 8130-09) and Mouse Anti-Feline CD8-FITC (SB Cat. No. 8120-02).

Overview

Clone	3-4F4 (Fel7)
Isotype	Mouse IgG ₁ κ
Immunogen	Feline T cells
Specificity	Feline/Lion CD4; Mr 65 kDa
Alternate Name(s)	fCD4

Description

Feline CD4, a member of the immunoglobulin superfamily of cell surface receptors, is a type I transmembrane glycoprotein that is expressed on the helper/inducer subpopulation of peripheral T lymphocytes. It is present on approximately 55% of thymocytes, 15% of splenocytes, 40% of lymph node cells, and 25% of peripheral blood lymphocytes. CD4 functions as an accessory molecule in the recognition of foreign antigens in association with MHC Class II antigens by T cells.

Applications

FC – Quality tested ^{1,4,7-31}
 IHC-FS – Reported in literature ³⁻⁵
 ICC – Reported in literature ²
 IP – Reported in literature ^{1,2}
 Sep – Reported in literature ⁶
 Block – Reported in literature ¹

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE conjugate	≤ 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.	

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 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 (M)SDS.

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