SouthernBiotech

Rat Anti-Mouse IL-17A

Cat. No.	Format	Size
10214-01	Purified (UNLB)	0.5 mg
10214-02	Fluorescein (FITC)	0.1 mg
10214-08	Biotin (BIOT)	0.5 mg
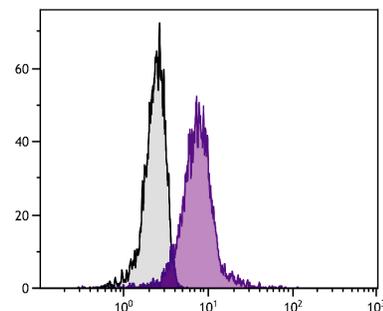
PMA and ionomycin stimulated C57BL/6N mouse T lymphocyte EL-4 cell line was intracellularly stained with Rat Anti-Mouse IL-17A-FITC (SB Cat. No. 10214-02).

Overview

Clone	TC11-8H4
Isotype	Rat IgG$_1\kappa$
Immunogen	*E. coli*-expressed mouse IL-17
Specificity	Mouse IL-17A
Alternate Name(s)	Interleukin-17A, cytotoxic T lymphocyte-associated antigen 8, CTLA-8

Applications

ELISA-Detection – Quality tested [1]
FC – Quality tested [5]
ELISPOT-Capture – Reported in literature [2]
ELISPOT-Detection – Reported in literature [3,4]

Note – May be paired with the purified clone TC11-18H10 (SB Cat. No. 10215-01) in a sandwich ELISA

Working Dilutions

ELISA	BIOT conjugate	1:1,000 – 1:2,000
Flow Cytometry	FITC conjugate	≤ 1 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 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 0.1 mg in 1.0 mL of PBS/NaN$_3$. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN$_3$. 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.

References

1. Amsen D, de Visser KE, Town T. Approaches to determine expression of inflammatory cytokines. Methods Mol Biol. 2009;511:107-42. (ELISA-Detection)
2. Kish DD, Li X, Fairchild RL. CD8 T cells producing IL-17 and IFN-γ initiate the innate immune response required for responses to antigen skin challenge. J Immunol. 2009;182:5949-59. (ELISPOT-Capture)
3. Faust SM, Lu G, Marini BL, Zou W, Gordon D, Iwakura Y, et al. Role of T cell TGFβ signaling and IL-17 in allograft acceptance and fibrosis associated with chronic rejection. J Immunol. 2009;183:7297-306. (ELISPOT-Detection)
4. Nekrasova T, Shive C, Gao Y, Kawamura K, Guardia R, Landreth G, et al. ERK1-deficient mice show normal T cell effector function and are highly susceptible to experimental autoimmune encephalomyelitis. J Immunol. 2005;175:2374-80. (ELISPOT-Detection)
5. Bending D, Newland S, Krejcí A, Phillips JM, Bray S, Cooke A. Epigenetic changes at Il12rb2 and Tbx21 in relation to plasticity behavior of Th17 cells. J Immunol. 2011;186:3373-82. (FC)