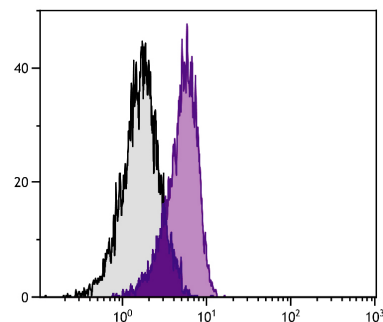




Rat Anti-Mouse IL-10

Cat. No.	Format	Size
10211-01	Purified (UNLB)	0.5 mg
10211-02	Fluorescein (FITC)	0.1 mg
10211-08	Biotin (BIOT)	0.5 mg
10211-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



PMA and ionomycin stimulated BALB/c mouse splenocytes were intracellularly stained with Rat Anti-Mouse IL-10-FITC (SB Cat. No. 10211-02).

Overview

Clone	JES5-16E3
Isotype	Rat IgG _{2b} κ
Immunogen	<i>E. coli</i> -expressed mouse IL-10
Specificity	Mouse IL-10
Alternate Name(s)	Interleukin-10, B cell derived T cell growth factor, B-TCGF, T cell growth inhibitory factor, TGIF, cytokine synthesis inhibitory factor, CSIF

Applications

ELISA-Detection – Quality tested ²
 ELISA-Capture – Quality tested
 FC – Quality tested ³⁻⁶
 ELISPOT-Detection – Reported in literature ²
 IHC-FS – Reported in literature ^{4,7-9}
 ICC – Reported in literature ¹
 IP – Reported in literature ¹
 Neut – Reported in literature ¹

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 5 µg/mL
	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/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg labeled antibody in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°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. Sander B, Höiden I, Andersson U, Möller E, Abrams JS. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. *J Immunol Methods.* 1993;166:201-14. (Immunogen, ICC, IP, Neut)
2. Pack CD, Cestra AE, Min B, Legge KL, Li L, Caprio-Young JC, et al. Neonatal exposure to antigen primes the immune system to develop responses in various lymphoid organs and promotes bystander regulation of diverse T cell specificities. *J Immunol.* 2001;167:4187-95. (ELISA-Detection, ELISPOT-Detection)
3. Groux H, O'Garra A, Bigler M, Rouleau M, Antonenko S, de Vries JE, et al. A CD4⁺ T-cell subset inhibits antigen-specific T-cell responses and prevents colitis. *Nature.* 1997;389:737-42. (FC)
4. Khanna A, Morelli AE, Zhong C, Takayama T, Lu L, Thomson AW. Effects of liver-derived dendritic cell progenitors on Th1- and Th2-like cytokine responses in vitro and in vivo. *J Immunol.* 2000;164:1346-54. (FC, IHC-FS)
5. Hamada H, Garcia-Hernandez Mde L, Reome JB, Misra SK, Strutt TM, McKinstry KK, et al. Tc17, a unique subset of CD8 T cells that can protect against lethal influenza challenge. *J Immunol.* 2009;182:3469-81. (FC)
6. Le Huu D, Matsushita T, Jin G, Hamaguchi Y, Hasegawa M, Takehara K, et al. Donor-derived regulatory B cells are important for suppression of murine sclerodermatous chronic graft-versus-host disease. *Blood.* 2013;121:3274-83. (FC)
7. Hunter CA, Litton MJ, Remington JS, Abrams JS. Immunocytochemical detection of cytokines in the lymph nodes and brains of mice resistant or susceptible to toxoplasmic encephalitis. *J Infect Dis.* 1994;170:939-45. (IHC-FS)
8. Martinelli TM, Van Driel IR, Alderuccio F, Gleeson PA, Toh B. Analysis of mononuclear cell infiltrate and cytokine production in murine autoimmune gastritis. *Gastroenterology.* 1996;110:1791-802. (IHC-FS)
9. Sallinen K, Veräjänkorva E, Pöllänen P. Expression of antigens involved in the presentation of lipid antigens and induction of clonal anergy in the female reproductive tract. *J Reprod Immunol.* 1999;46:91-101. (IHC-FS)