

**PE Anti-Mouse Foxp3 (MF23) Antibody**  
**Catalog # ATB10378****Specification****PE Anti-Mouse Foxp3 (MF23) Antibody - Product Information**

Application	FC
Isotype	Rat IgG2b
Concentration	0.2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% NaN <sub>3</sub> , 0.1% gelatin, pH7.2
Host	Rat

**PE Anti-Mouse Foxp3 (MF23) Antibody - Additional Information**

Gene ID	20371
Gene Name	Foxp3
<b>Alternative Name(s)</b>	

Forkhead box P3, Scurfin, JM2

**Format**

PE

**Preparation**

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

**Application Notes**

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system. It is recommended to use the Transcription Factor Staining Buffer Kit (TNB-0607-KIT) for optimal staining results with this antibody.

**Storage Conditions**

2-8°C protected from light

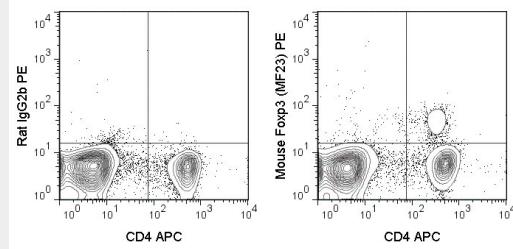
**PE Anti-Mouse Foxp3 (MF23) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PE Anti-Mouse Foxp3 (MF23) Antibody - Images



C57BL/6 splenocytes were stained with APC Anti-Mouse CD4 (20-0042), followed by intracellular staining with 0.25 ug PE Anti-Mouse Foxp3 (ATB10378) (right panel) or 0.25 ug PE Rat IgG2b isotype control (left panel).

### PE Anti-Mouse Foxp3 (MF23) Antibody - Background

The MF23 antibody reacts with mouse Foxp3, a 50-55 kDa transcription factor which is a central regulator of T cell activity and is critical for the development and function of regulatory T cells (Tregs). Foxp3 is a member of the forkhead box or winged helix family of transcription factors and is expressed at constitutively high levels in Treg cells. Forced expression of Foxp3 in conventional T cells results in the upregulation of Treg associated molecules such as CD25, CTLA-4, and GITR and is sufficient to impart suppressive functional activity to these cells.

### PE Anti-Mouse Foxp3 (MF23) Antibody - References

Ramos RN, Oliveira CE, Gasparoto TH, et al. 2012. Carcinogenesis. 33: 902-909. (Flow cytometry)  
Klein M, Vaeth M, Scheel T, Grabbe S, Baumgrass R, Berberich-Siebelt F, Bopp T, Schmitt E, and Becker C. 2012. J. Immunol. 188: 1091-1097. (Flow cytometry)Ansari AA, Reimann KA, Mayne AE, Takahashi Y, Stephenson ST, Wang R, Wang X, Li J, Price AA, Little DM, Zaidi M, Lyles R, and Villinger F. 2011. J. Immunol. 186: 1044-1059. (Flow cytometry - Rhesus macaque)Nagar M, Vernitsky H, Cohen Y, Dominissini D, Berkun Y, Rechavi G, Amariglio N, and Goldstein I. 2008. Int. Immunol. 20: 1041-1055. (Flow cytometry)Hombach AA, Kofler D, Hombach A, Rappl G, and Abken H. 2007. J. Immunol. 179: 7924-7931. (Flow cytometry).Gavin MA, Torgerson TR, Houston E, deRoos P, Ho WY, Stray-Pedersen A, Ocheltree EL, Greenberg PD, Ochs HD, and Rudensky AY. (Flow cytometry)