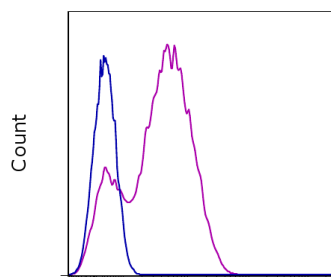


Anti-Mouse CD278 (ICOS) PE

Catalog Number: 12-9940

RUO: For Research Use Only. Not for use in diagnostic procedures.



CD278 (ICOS) PE

Staining of C57Bl/6 splenocytes unstimulated (blue histogram) and or stimulated for 3 days with Con A (purple histogram) with 0.06 ug of Anti-Mouse CD278 (ICOS) PE. Total viable cells (determined by staining with Fixable Viability Dye eFluor[®] 780, cat 65-0865) were used for analysis.

Product Information

Contents: Anti-Mouse CD278 (ICOS) PE



Catalog Number: 12-9940

Clone: 15F9

Concentration: 0.2 mg/mL

Host/Isotype: Golden Syrian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

The 15F9 monoclonal antibody reacts with mouse ICOS (Inducible COStimulatory molecule), a T cell specific molecule and a third member of the CD28/CTLA-4 family. A homodimer of 47-57 kDa, ICOS is expressed on activated T cells, has potent costimulatory activity for T cell activation and proliferation and is required for humoral immune response. ICOS binds to its ligand on activated APC including B cells called B7h/B7RP-1 and is thought to play a protective role in inflammatory autoimmune diseases. ICOS may be involved in the development of Th2 cells.

The 15F9 antibody is reported to have functional activity.

Applications Reported

15F9 has been reported for use in flow cytometric analysis.

Applications Tested

This 15F9 antibody has been tested by flow cytometric analysis of mouse ConA-activated splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Lucy S. K. Walker, Helen E. Wiggett, Fabrina M. C. Gaspal, Chandra R. Raykundalia, Margaret D. Goodall, Kai-Michael Toellner, and Peter J. L. Lane. 2003. Established T Cell-Driven Germinal Center B Cell Proliferation Is Independent of CD28 Signaling but Is Tightly Regulated Through CTLA-4. *J Immunol.* 170:91-98.

Kohyama M, Sugahara D, Sugiyama S, Yagita H, Okumura K, Hozumi N. Inducible costimulator-dependent IL-10 production by regulatory T cells specific for self-antigen. *Proc Natl Acad Sci U S A.* 2004 Mar 23;101(12):4192-7. (blocking, PubMed)

McAdam AJ, Chang TT, Lumelsky AE, Greenfield EA, Boussiotis VA, Duke-Cohan JS, Chernova T, Malenkovich N, Jabs C, Kuchroo VK, Ling V, Collins M, Sharpe AH, Freeman GJ. Mouse inducible costimulatory molecule (ICOS)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Mouse CD278 (ICOS) PE

Catalog Number: 12-9940

RUO: For Research Use Only. Not for use in diagnostic procedures.

expression is enhanced by CD28 costimulation and regulates differentiation of CD4+ T cells. J Immunol. 2000 Nov 1;165(9):5035-40.

Related Products

12-4914 Golden Syrian Hamster IgG Isotype Control PE (n/a)
12-5760 Anti-Mouse Bcl-6 PE (G1191E)
17-9981 Anti-Mouse CD279 (PD-1) APC (RMP1-30)
25-9985 Anti-Mouse CD279 (PD-1) PE-Cy7 (J43)
65-0865 Fixable Viability Dye eFluor® 780