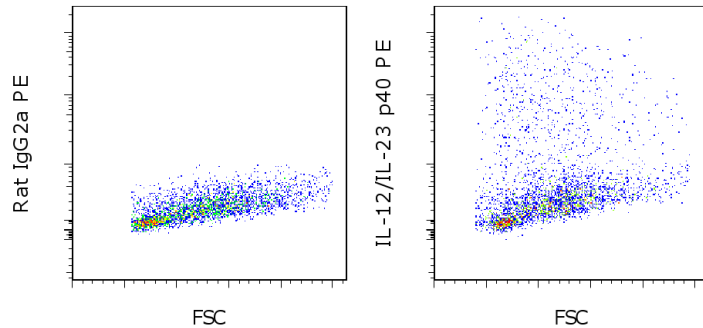


Anti-Mouse IL-12/IL-23 p40 PE

Catalog Number: 12-7123

Also known as: Interleukin-12, IL12 / Interleukin-23, IL23 p40

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



Mouse thioglycolate-elicited peritoneal exudate cells were stimulated overnight with LPS and IFN gamma in the presence of Brefeldin A. Cells were then fixed, permeabilized and stained with 0.125 ug of Rat IgG2a K Isotype Control PE (left) or 0.125 ug of Anti-Mouse IL-12/IL-23 p40 PE (right). Total viable cells, as determined by Fixable Viability Dye eFluor[®] 780 (cat. 65-0865), were used for analysis.

Product Information

Contents: Anti-Mouse IL-12/IL-23 p40 PE

Catalog Number: 12-7123

Clone: C17.8

Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.125 ug)/test

Host/Isotype: Rat IgG2a, kappa

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

Contains sodium azide



Description

The C17.8 antibody reacts with the p40 subunit of IL-12 and IL-23. The C17.8 antibody has been found to neutralize IL-12 and IL-23 bioactivity. For specific neutralization of IL-23 only, please see clone G23-8 (anti-mouse IL-23 p19). IL-12 is a 70 kDa heterodimeric cytokine composed of two covalently linked chains, p40 and p35, and is secreted by activated monocytes, macrophages, and dendritic cells. IL-23 is a heterodimer composed of the disulfide-linked p19 protein and p40 protein, expressed by activated dendritic cells.

Applications Reported

The C17.8 antibody has been reported for use in IP, Western, ELISA, neutralization, and intracellular staining for flow cytometric analysis.

Applications Tested

This C17.8 antibody is offered in 2 formats:

- μ g size: has been tested by intracellular flow cytometric analysis of stimulated mouse cells. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by intracellular flow cytometric analysis of stimulated mouse cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Cho D, Lee WJ, Halloran PJ, Trinchieri G, Kim YB. Enhancement of porcine natural killer cell activity by recombinant human and murine IL-12. *Cell Immunol.* 1996 Aug 25;172(1):29-34.

Aragane Y, Riemann H, Bhardwaj RS, Schwarz A, Sawada Y, Yamada H, Luger TA, Kubin M, Trinchieri G, Schwarz

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T. IL-12 is expressed and released by human keratinocytes and epidermoid carcinoma cell lines. J Immunol. 1994 Dec 15;153(12):5366-72.

Related Products

00-4506 Brefeldin A Solution (1000X)
11-0112 Anti-Mouse CD11b FITC (M1/70)
12-4321 Rat IgG2a K Isotype Control PE (eBR2a)
14-8311 Mouse IFN gamma Recombinant Protein
65-0865 Fixable Viability Dye eFluor® 780
88-8823 Fixation & Permeabilization Buffers

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