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

Catalog Number: 14-7125

Also Known As: Interleukin-12, IL12) / IL-23 (Interleukin-23, IL23) p40

RUO: For Research Use Only

Product Information

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

 **Catalog Number:** 14-7125

Clone: C15.6

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG1

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The C15.6 antibody reacts with the p40 subunit of mouse interleukin-12 and IL-23. IL-12 is a 70 kDa heterodimeric cytokine composed of two covalently linked chains, p40 and p35, and is secreted by activated B cells and macrophages. IL-23 is a structurally and biologically-related cytokine comprised of the same p40 subunit and a p19 subunit.

For optimal detection of total IL-12 p40 (monomer, heterodimer, homodimer) by ELISA, a combination of purified C15.6 antibody for capture and biotinylated C17.8 antibody for detection is recommended. Fluorochrome conjugated C15.6 antibody is effective for staining intracellular IL-12.

Applications Reported

The C15.6 antibody has been reported for use in ELISA.

Applications Tested

The C15.6 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse IL-12 (p40 monomer or p40 dimerized with p35) or mouse IL-23 (p40 dimerized with p19) in combination with the biotin C17.8 (13-7123) antibody for detection and recombinant mouse IL-12 p70 (14-8121) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 0.25-1 µg/ml. A standard curve consisting of doubling dilutions of the recombinant IL-12 p70 standard over the range of 2000 pg/ml - 15 pg/ml should be included in each ELISA plate.

References

Wysocka, M., et al. (1995). Interleukin-12 is required for interferon-gamma production and lethality in lipopolysaccharide-induced shock in mice. Eur. J. Immunol. 25: 671-676.

Related Products

00-4202 ELISA Diluent Solution (5X)

14-4301 Rat IgG1 K Isotype Control Purified

18-4100 Avidin HRP

39-8121 Mouse IL-12 p70 Single-Use ELISA RSG Standard

44-2404 Nunc MaxiSorp® flat-bottom 96 well plate

88-7121 Mouse IL-12 p70 ELISA Ready-SET-Go!®

88-7234 Mouse IL-23 ELISA Ready-SET-Go!®

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