
Anti-Human IL-4 Purified

Catalog Number: 14-7049

Also Known As: Interleukin-4

RUO: For Research Use Only

Product Information

Contents: Anti-Human IL-4 Purified

REF **Catalog Number:** 14-7049

Clone: 8D4-8

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

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

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The 8D4-8 antibody reacts with human interleukin-4 (IL-4), a 15-19 kDa cytokine secreted by Th2 cells.

Applications Reported

The 8D4-8 antibody has been reported for use in capture of human IL-4 by ELISA and in intracellular staining for flow cytometric analysis.

Applications Tested

The 8D4-8 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interleukin-4 (IL-4) in combination with the biotinylated MP4-25D2 (13-7048) antibody for detection and recombinant human IL-4 (14-8049) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 500 pg/ml - 4 pg/ml should be included in each ELISA plate.

The fluorochrome-conjugated 8D4-8 antibody is offered in 2 formats:

- µg size: has been tested by intracellular staining for flow cytometric analysis. This can be used at less than or equal to 0.5 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.

- test size: has been pre-titrated and tested by intracellular staining for flow cytometric analysis. This can be used at 20 µl 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.

References

Bird, C., et al. 1991. Development of immunoassays for human interleukin-3 and interleukin-4, some of which discriminate between different recombinant cDNA-derived molecules. Cytokine. 3: 562-567.

Related Products

00-4202 ELISA Diluent Solution (5X)

11-0039 Anti-Human CD3 FITC (HIT3a)

13-7048 Anti-Human IL-4 Biotin (MP4-25D2)

18-4100 Avidin HRP

39-8049 Human IL-4 Single-Use ELISA RSG Standard

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

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