

Anti-Human IL-13 Purified

Catalog Number: 14-7139

Also Known As: Interleukin-13, IL13

RUO: For Research Use Only



Human PBMCs (300,000/well) in 100 ul complete RPMI medium were treated without (left) or with (right) Candida (100ug/mL) for 24 hrs in an IL-13 ELISPOT assay.

Product Information

Contents: Anti-Human IL-13 Purified

 Catalog Number: 14-7139

Clone: PVM13-1

Concentration: 0.5 mg/ml

Host/Isotype: Mouse 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 PVM13-1 antibody reacts with human interleukin-13 (IL-13). IL-13, also known as NC30, is a 12.5 kDa protein secreted by activated T helper cells, CD8⁺ T cells, and NK cells. The biological activities of IL-13 include suppression of macrophage cytotoxic activity, upregulation of IL-1RA expression and suppression of inflammatory cytokine expression.

Applications Reported

PVM13-1 has been reported for use in intracellular flow cytometric analysis, cytokine neutralization, and ELISA. (Fluorochrome conjugated PVM13-1 is recommended for use in intracellular flow cytometry.) (Please use Functional Grade purified PVM13-1, cat. 16-7139, in functional assays.)

Applications Tested

The PVM13-1 antibody has been tested as the capture antibody in a sandwich ELISA and ELISPOT assay for analysis of human interleukin-13 (IL-13) in combination with the biotinylated anti-human IL-13 polyclonal antibody (13-7138) antibody for detection and recombinant human IL-13 (14-8139) 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 1000 pg/ml - 8 pg/ml should be included in each ELISA plate.

References

Griffioen, M., et al. 2004. Cancer Immunol. Immunother. 53: 715-722.
Van Halteren, A.G., et al. 2002. Diabetes 51: 2119-2125.
Martin, S., et al. 2001. N. Engl. J. Med. 345: 1036-1040.
Raz, I., et al.. 2001. Lancet 358: 1749-1753.
Schloot, N., et al. 2003. J. Autoimmun. 21: 365-376.

Related Products

00-4202 ELISA Diluent Solution (5X)
00-4203 Super AquaBlue ELISA Substrate
13-7138 Anti-Human IL-13 Biotin (Polyclonal)
14-4714 Mouse IgG1 K Isotype Control Purified
14-8139 Human IL-13 Recombinant Protein
18-4100 Avidin HRP
44-2404 Nunc MaxiSorp® flat-bottom 96 well plate

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