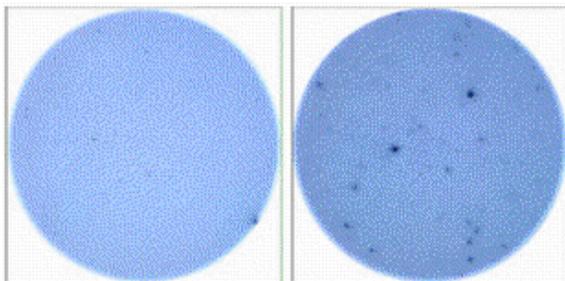


Anti-Mouse IL-13 Functional Grade Purified

Catalog Number: 16-7135

Also Known As: Interleukin-13, IL13

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



Mouse IL-13 ELISPOT: Splenocytes were activated with immobilized Anti-Mouse CD3 (cat. 16-0031) and Anti-Mouse CD28 (cat. 16-0281) for 24 hrs in a Mouse IL-13 ELISPOT assay (right). Left well is medium alone control (no mitogen).

Product Information

Contents: Anti-Mouse IL-13 Functional Grade Purified

REF **Catalog Number:** 16-7135

Clone: eBio1316H

Concentration: 1 mg/ml

Host/Isotype: Rat IgG1, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The eBio1316H antibody reacts with mouse IL-13. The eBio1316H antibody is a neutralizing antibody. Mouse interleukin-13 (IL-13), originally designated p600, is a 11.6 kDa protein secreted by activated T helper cells, CD8+ T cells, and NK cells. IL-13 was originally identified in 1989 through differential hybridization of cDNA libraries prepared from T helper 1 and T helper 2 cells. IL-13 contains four cysteine residues, which form two intramolecular disulfide bonds. IL-13 shares many activities with IL-4; this relates to a requirement for IL-4Ralpha chain for signal transduction. The biological activities of IL-13 include suppression of macrophage cytotoxic activity, upregulation of IL-1RA expression, and suppression of inflammatory cytokine expression. IL-13 induces CD23 expression on B cells and enhances CD72, and expression of class II MHC gene products. Mouse IL-13 does not display the activities on T cells and B cell stimulatory effects which IL-4 exhibits. Mouse IL-13 is active on human and mouse cells.

Applications Reported

The eBio1316H antibody has been reported useful for neutralization, ELISA detection, and ELISPOT detection.

Applications Tested

The Functional Grade purified format of the eBio1316H antibody has been tested by LAL assay to verify low endotoxin level and by bioassay to quantitate neutralization of IL-13 biological activity.

For in vitro neutralization, the Functional Grade purified eBio1316H antibody at 0.04 ug/ml has been found to neutralize by 50% the biological effect of 7.5 ng/ml mouse IL-13 in an assay of TF-1 cell proliferation. Detailed information and protocols about cytokine bioassays and in vitro cytokine neutralization using antibodies can be found in the BestProtocols® section.

Related Products

14-8131 Mouse IL-13 Recombinant Protein

16-0031 Anti-Mouse CD3e Functional Grade Purified (145-2C11)

16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)

16-4301 Rat IgG1 K Isotype Control Functional Grade Purified

16-7139 Anti-Human IL-13 Functional Grade Purified (PVM13-1)

