

Anti-Mouse IL-13 Functional Grade Purified

Catalog Number: 16-7133

Also Known As: Interleukin-13, IL13

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

Product Information

Contents: Anti-Mouse IL-13 Functional Grade Purified

REF **Catalog Number:** 16-7133

Clone: eBio13A

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 eBio13A antibody reacts with mouse IL-13. IL-13 is a cytokine produced mainly by Th2 cells, but also by antigen-primed CD8 T cells. IL-13 has a strong involvement in allergic inflammation and parasitic clearing and in cancer models has been shown to have either inhibitory or stimulatory activity depending on the tumor. In humans, IL-13 is found to play a role in isotype switching in B cells. IL-13 is implicating in down modulating macrophage activity, through the reduction of pro-inflammatory cytokines (IL-1, IL-6, IL-8, IL-10, IL-12)

Applications Reported

The eBio13A antibody has been reported useful for ELISA and ELISPOT capture, as well as intracellular staining for flow cytometric analysis.

Applications Tested

The Functional Grade Purified eBio13A antibody has been tested by LAL assay to verify low endotoxin levels and has been tested for ELISA and ELISPOT capture.

The eBio13A antibody has been tested as the capture antibody in a sandwich ELISA (and ELISPOT) for analysis of mouse IL-13, in combination with the biotinylated eBio1316H antibody for detection (13-7135) and recombinant mouse IL-13 (14-8131) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1.0 - 4.0 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/ml - 8.0 pg/ml should be included in each ELISA plate.

The Functional Grade Purified eBio1316H antibody (16-7135) is recommended for in vitro blocking studies.

References

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Doherty TM, Kastelein R, Menon S, Andrade S, Coffman RL. Modulation of murine macrophage function by IL-13. *J Immunol.* 1993 Dec 15;151(12):7151-60.

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Related Products

16-4301 Rat IgG1 K Isotype Control Functional Grade Purified

16-7135 Anti-Mouse IL-13 Functional Grade Purified (eBio1316H)

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

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