Technical Data Sheet

Biotin Mouse Anti-Human IL-13

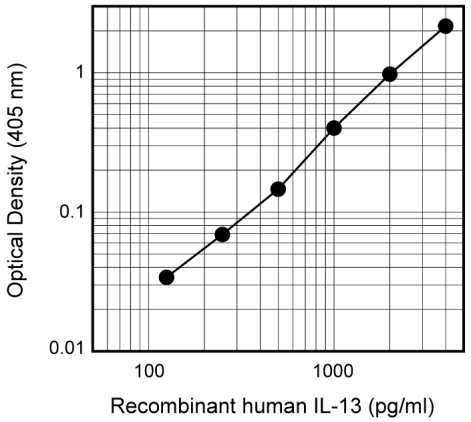
Product Information

Material Number:	**555054**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	B69-2
Immunogen:	Recombinant human IL-13 protein
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The B69-2 antibody reacts with human interleukin-13 (IL-13). The immunogen used to generate the B69-2 hybridoma was recombinant human IL-13 protein.

This antibody is routinely tested by ELISA Detection. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Human IL-13 ELISA Standard Curve

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.
Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

ELISA Detection	Routinely Tested

Recommended Assay Procedure:

ELISA Detection: The biotinylated monoclonal mouse anti-human IL-13 antibody (Cat. No. 555054) is useful as a detection antibody for a sandwich ELISA for measuring human IL-13 protein levels. Biotinylated monoclonal mouse anti-human IL-13 antibody can be paired with the purified JES10-5A2 capture antibody (Cat. No. 554570), with recombinant human IL-13 as the standard. Biotinylated monoclonal mouse anti-human IL-13 antibody should be titrated (0.5 - 2.0 µg/ml) to determine optimal concentration for ELISA detection. To obtain linear standard curves, doubling dilutions of human IL-13 ranging from ~4,000 to 30 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, see Chapter 7: ELISA for specifically measuring the levels of cytokines, chemokines, and inflammatory mediators and their receptors in our Techniques for Immune Function Analysis Application Handbook 1st Edition. or visit the protocols section of our website, both of which are located at www.bdbiosciences.com.

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Note 1: This ELISA pair shows no cross-reactivity with any of the cytokines tested (e.g., mouse IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-9, IL-10, IL-12 p70, IL-15, GM-CSF, IFN-γ, MCP-1, TCA-3, TNF-α; human IL-1α, IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12 p70, IL-12 p40, IL-15, G-CSF, GM-CSF, IFN-γ, lymphotactin, MCP-1, MCP-2, MIP-1α, MIP-1β, NT3, PDGF-AA, sCD23 , SCF, TNF, LT-α, VEGF; rat IL-2, IL-4, IL-6, IL-10, GM-CSF, IFN-γ, TNF).

Note 2: This ELISA pair is recommended primarily for measuring cytokine from experimental cell culture systems. These ELISA reagents are not optimized for assay of serum or plasma samples.

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Abrams J. Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. In: Coligan J, Kruisbeek A, Margulies D, Shevach E, Strober W, ed. *Current Protocols in Immunology*. New York: John Wiley and Sons; 1995:6.20-6.21.(Clone-specific: ELISA)

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev*. 1992; 127:5-24.(Clone-specific: ELISA)