

Technical Data Sheet

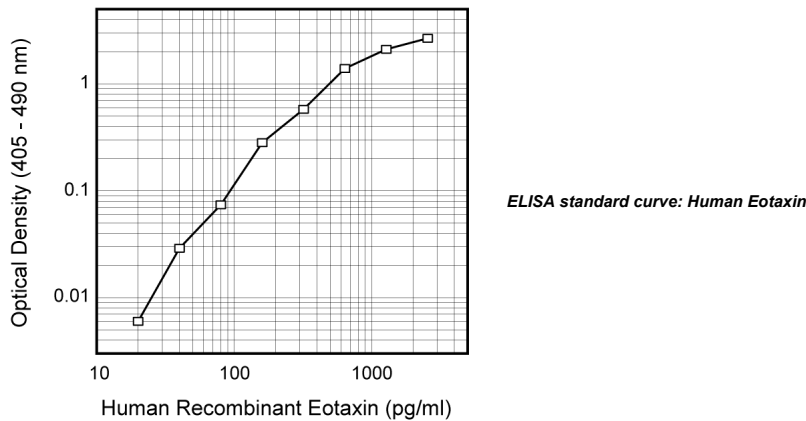
Purified Mouse Anti-Human Eotaxin

Product Information

Material Number:	555035
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	3C7
Immunogen:	Synthetic human eotaxin
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The monoclonal antibody 3C7 reacts with human CC chemokine eotaxin. The immunogen used to generate the monoclonal antibody 3C7 was synthetic human eotaxin.



Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

ELISA Capture	Routinely Tested
Western blot	Reported

Recommended Assay Procedure:

ELISA Capture: The purified monoclonal antibody 3C7 (Cat. No. 555035) is useful as a capture antibody in a sandwich ELISA for measuring human eotaxin protein levels. Purified monoclonal antibody 3C7 can be paired with the biotinylated monoclonal antibody 10C11 (Cat. No. 555060) with recombinant human eotaxin (Cat. No. 555102) as the standard. Purified monoclonal antibody 3C7 should be titrated to determine its optimal concentration for ELISA capture (0.5 - 2.0 µg/ml). To obtain linear standard curves, doubling dilutions of recombinant human eotaxin (Cat. No. 555102) ranging from ~1,000 to 20 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, please visit our web site, www.bdbiosciences.com, and go to the protocols section or the chapter on ELISA in the Immune Function Handbook.

Note 1: This ELISA pair shows no cross-reactivity with any of the chemokines tested (human MCP-1, MCP-2, MCP-3, MCP-4, MIP-1α, MIP-1β; mouse Eotaxin, MCP-1; and rat MCP-1).

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Note 2: This ELISA pair is recommended primarily for measuring human eotaxin from experimental cell culture systems. For assay of eotaxin from serum or plasma, the specially formulated BD OptEIA™ Human Eotaxin ELISA Set, Cat. No. 555175 is recommended.

WB: The purified 10C11 antibody (Cat. No. 555035) has been reported to be useful for Western Blotting. Please note that this application is not routinely tested at BD Biosciences Pharmingen.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555060	Biotin Mouse Anti-Human Eotaxin	0.5 mg	10C11
555175	Human Eotaxin ELISA Set	20 plates	(none)

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

Ponath PD, Qin S, Ringler DJ, et al. Cloning of the human eosinophil chemoattractant, eotaxin. Expression, receptor binding, and functional properties suggest a mechanism for the selective recruitment of eosinophils. *J Clin Invest.* 1996; 97(3):604-612.(Clone-specific)