

Technical Data Sheet

Biotin Mouse Anti-Human Eotaxin

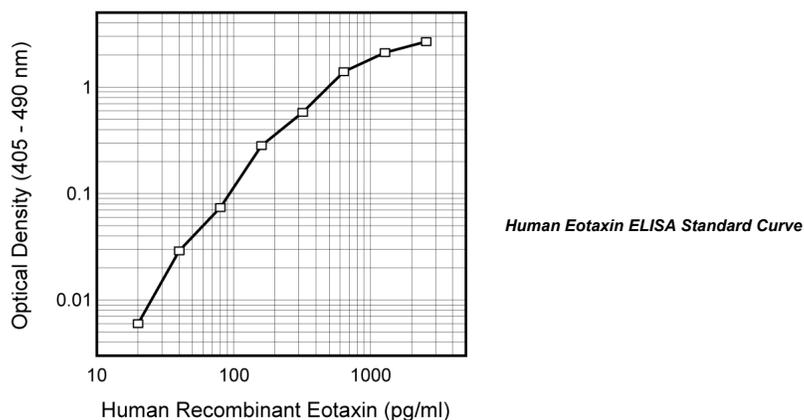
Product Information

Material Number:	555060
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	10C11
Immunogen:	Synthetic human eotaxin
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The monoclonal antibody 10C11 reacts with human chemokine eotaxin. The immunogen used to generate the monoclonal antibody 10C11 was synthetic human eotaxin.

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.



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
Western blot	Reported

Recommended Assay Procedure:

ELISA Detector: The biotinylated monoclonal antibody 10C11 (Cat. No. 555060) is useful as a detection antibody in a sandwich ELISA for measuring human eotaxin protein levels. Biotinylated monoclonal antibody 10C11 can be paired with the purified monoclonal antibody 3C7 (Cat. No. 555035) with recombinant human eotaxin (Cat. No. 555102) as the standard. Biotinylated monoclonal antibody 10C11 should be titrated to determine its optimal concentration for ELISA detector (0.5 - 2.0 $\mu\text{g/ml}$). To obtain linear standard curves, doubling dilutions of recombinant human eotaxin (Cat. No. 555102) ranging from ~ 1000 to 20 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology, please visit the protocols section or chapter on ELISA in the Immune Function Handbook, both of which are posted on our web site, www.bdbiosciences.com.

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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-1 α , MIP-1 β mouse Eotaxin, MCP-1; and rat MCP-1).

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

Western Blot: The purified 10C11 antibody 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

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555035	Purified Mouse Anti-Human Eotaxin	0.5 mg	3C7
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)