

Technical Data Sheet

Purified NA/LE Mouse Anti-Human IL-8

Product Information

Material Number:	554726
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	2A2
Immunogen:	Recombinant human IL-8
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is \leq 0.01 EU/ μ g (\leq 0.001 ng/ μ g) of protein as determined by the LAL assay.

Description

The 2A2 antibody reacts with both the 72 and 77 amino acid forms of human IL-8. The immunogen used to produce the 2A2 hybridoma was E. coli-expressed recombinant human IL-8 (77 amino acid form).

This antibody has been reported to show no cross-reactivity with the following cytokines or chemokines: Human IL-1 α , IL-1 β , IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-12 (p40 or p70), IL-13, IL-15, eotaxin, GRO, IFN- γ , MCP-1, MCP-2, MCP-3, MIP-1 α , MIP-1 β , NAP-2, PF4, RANTES, SCF, TNF, LT- α .

Neutralization: Investigators are advised that this material is not routinely tested for the Neutralization application and are highly encouraged to both titrate this material and include appropriate controls in relevant experiments. This antibody has previously been reported to be useful for the neutralization of recombinant human IL-8 when measured with a calcium flux assay using 250 ng/mL recombinant human IL-8 (Cat. No. 554609) to stimulate calcium mobilization in 1×10^7 cells/mL human lysed whole blood as indicator cells. Preincubation of the antibody with recombinant human IL-8 can neutralize calcium mobilization with the following representative ranges:

50% Neutralization (ND50) at 8 - 10 μ g/mL

> 95% Neutralization at 150 - 500 μ g/mL

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

ELISA	Routinely Tested
Neutralization	Tested During Development
Western blot	Reported

Suggested Companion Products

Catalog Number	Name	Size	Clone
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3
554609	Recombinant Human IL-8	20 μ g	(none)

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- IL-8 is protected under U.S. Patent Nos. 5,652,338 and 5,698,196.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Leonard EJ, Sylvester I, Yoshimura T, et al. *Current Protocols in Immunology*. John Wiley and Sons; 1995:6.12.1-6.12.26. (Biology)

Matsushima K, Oppenheim JJ. Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. *Cytokine*. 1989; 1(1):2-13. (Clone-specific)

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