



Rabbit (polyclonal) Anti-Human IL-8

PRODUCT ANALYSIS SHEET

Catalog Number:	AHC0881
Lot Number:	See product label
Quantity:	0.1 mg
Form of the Antibody:	Purified immunoglobulins, lyophilized from sterile filtered phosphate buffered saline, pH 7.2.
Purification:	Purified from immunized rabbit serum by immunoaffinity chromatography using an immobilized human IL-8 matrix. The purified antibody was sterile-filtered prior to lyophilization.
Immunogen:	Highly purified (>98% pure) recombinant human endothelial IL-8 (77 amino acid residues).
Biological Activity:	Specifically binds all forms of natural and recombinant human IL-8.
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile, distilled water to a concentration of <u>0.1-1.0 mg/mL</u> . Further dilutions should be made in PBS or other buffered solutions.
Applications:	This antibody is suitable for use in ELISA, Western blotting, neutralization studies, and immunohistochemistry (Wen et al., 2001). In ELISA, the antibody diluted to a concentration of 0.5 µg/mL to 2.0 µg/mL, and used at 100 µL per well, detects 0.2-0.4 ng human IL-8 per well. In Western blotting, the antibody diluted to a concentration of 0.1-0.2 µg/mL detects 1.5-3.0 ng human IL-8 per lane under reducing and non-reducing conditions. In neutralization studies, a concentration of 2-3 µg/mL is found to yield half-maximal inhibition of the biological activity of 100 ng/mL human IL-8. The optimal antibody concentration should be determined for each specific application.
Storage:	The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted preparation is stable for at least two weeks at 2-8°C when handled under aseptic conditions. For long term storage following reconstitution, apportion the antibody into working aliquots and store at -20°C, for up to 6 months. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

For research use only. CAUTION: Not intended for human or animal therapeutic or diagnostic use.

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(Rev 01/10) DCC-10-0182

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References:














Melhem, M.F., A.I. Meisler, R. Saito, G.G. Finley, H.R. Hockman, and R.A. Koski (1993) Cytokines in inflammatory malignant fibrous histiocytoma presenting with leukemoid reaction. *Blood* 82(7):2038-2044.

Wen, Y., D.H. Yan, B.L. Wang, B. Spohn, Y. Ding, R.P. Shao, Y.Y. Zou, K.P. Xie, and M.C. Hung (2001) p202, an interferon-inducible protein, mediates multiple antitumor activities in human pancreatic cancer xenograft models. *Cancer Research* 61(19):7142-7147 (cites the use of this antibody in immunohistochemistry with paraffin embedded sections).

Nixon, C.S., M.J. Steffen, and J.L. Ebersole (2000) Cytokine responses to *Treponema pectinovorum* and *Treponema denticola* in human gingival fibroblasts. *Infection and Immunity* 68(9):5284-5292 (cites the use of this antibody in ELISA).

Jung, Y.D., F. Fan, D.J. McConkey, M.E. Jean, W.B. Liu, N. Reinmuth, O. Stoeltzing, S.A. Ahmad, A.A. Parikh, N. Mukaida, and L.M. Ellis (2002) Role of p38 MAPK, AP-1, and NF-kappa B in interleukin-1 beta-induced IL-8 expression in human vascular smooth muscle cells. *Cytokine* 18(4):206-213 (cites the use of this antibody in Western blot analysis).

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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