

Mouse (monoclonal) Anti-Human Interleukin-18 (IL-18)

PRODUCT ANALYSIS SHEET

Catalog Number:	AHC8181
Lot Number:	See product label
Quantity/Volume:	100 µg/100 µL
Clone Number:	125-2H
Isotype:	IgG1
Form of Antibody:	Purified immunoglobulin in phosphate buffered saline, pH 7.2, with 50% glycerol.
Preservation:	Preservative-free.
Purification:	Purified from mouse ascites by Protein A affinity chromatography.
Endotoxin:	<0.01 ng/µg by the LAL method.
Immunogen:	Recombinant human IL-18.
Myeloma/Fusion Partners:	Immunized BALB/c mouse splenocytes were fused with the SP2/o mouse myeloma cell line.
Specificity:	This antibody reacts with natural and recombinant human IL-18.
Applications:	This antibody is suitable for use in IL-18 neutralization studies, immunoprecipitation, and ELISA. This antibody may be paired with Invitrogen's catalog number AHC7181 (clone 159-12B) for use in a sandwich ELISA.
Suggested Working Dilutions:	This antibody is found to neutralize IL-18's ability to induce interferon-γ production by KG-1 cells. When 40 ng/mL recombinant human IL-18 is added to these cells, 0.1 µg/mL of this antibody inhibited interferon-γ production by >50%, and 1 µg/mL of this antibody inhibited interferon-γ production by >90%. In immunoprecipitation, 5 µg of this antibody can be used to immunoprecipitate 0.5 µg recombinant human IL-18. The optimal concentration should be determined for each specific application.
Storage:	Store at -20°C. Upon initial use, apportion the antibody into working aliquots and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

This product is for research use only. Not for use in diagnostic procedures.

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Related Products:

KHC0181	Human IL-18 ELISA Kit	
KMC0181	Mouse IL-18 ELISA Kit	
PHC0186	Recombinant Human IL-18	
PMC0184	Recombinant Mouse IL-18	
AHC9181	Mouse (monoclonal) Anti-Human IL-18	clone 25-2G
AHC8181	Mouse (monoclonal) Anti-Human IL-18	clone 125-2H
AHC7181	Rat (monoclonal) Anti-Human IL-18	clone 1599-12B
AMC0181	Rat (monoclonal) Anti-Mouse IL-18	clone 39-3F
AMC9181	Rat (monoclonal) Anti-Mouse IL-18	clone 74
AMC8181	Rat (monoclonal) Anti-Mouse IL-18	clone 93-10C

References:

Okamura, H., et al. (1995) Cloning of a new cytokine that induces IFN-gamma production by T cells. *Nature* 378(6552):88-91.

Ushio, S., et al. (1996) Cloning of the cDNA for human IFN-gamma-inducing factor, expression in *Escherichia coli*, and studies on the biologic activities of the protein. *J. Immunol.* 156(11):4274-4279.

Micallef, M.J., et al. (1996) Interferon-gamma-inducing factor enhances T helper 1 cytokine production by stimulated human T cells: synergism with interleukin-12 for interferon-gamma production. *Eur. J. Immunol.* 26(7):1647-1651.

Dao, T., et al. (1996) Interferon-gamma-inducing factor, a novel cytokine, enhances Fas ligand-mediated cytotoxicity of murine T helper 1 cells. *Cell. Immunol.* 173(2):230-235.

Yu, Y., et al. (2001) Enhancement of human cord blood CD34(+) cell-derived NK cell cytotoxicity by dendritic cells. *J. Immunol.* 166(3):1590-1600 (cites the use of this antibody in flow cytometry).

Manufactured for Invitrogen by MBL.

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