

# IL10 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant IL10.  
Catalog # AT2500a

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P22301</a>
<b>Other Accession</b>	<a href="#">NM_000572</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG3 Kappa
<b>Clone Names</b>	1C10
<b>Calculated MW</b>	20517

## Additional Information

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<b>Gene ID</b>	3586
<b>Other Names</b>	Interleukin-10, IL-10, Cytokine synthesis inhibitory factor, CSIF, IL10
<b>Target/Specificity</b>	IL10 (AAI04253.1, 74 a.a. ~ 178 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	IL10 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

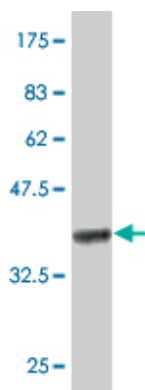
## References

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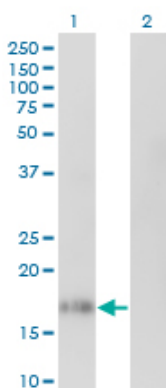
Association of Interleukin-10 Polymorphisms with Cytokines in Type 2 Diabetic Nephropathy. Kung WJ, et al.

Diabetes Technol Ther, 2010 Sep 1. PMID 20809684. Interleukin-10 microsatellite variants and the risk of acute coronary syndrome among Tunisians. Ben-Hadj-Khalifa-Kechiche S, et al. Int J Immunogenet, 2010 Aug 29. PMID 20807264. Interleukin-10 promoter polymorphism in mild cognitive impairment and in its clinical evolution. Arosio B, et al. Int J Alzheimers Dis, 2010 Jul 20. PMID 20798845. The associations between two polymorphisms in the interleukin-10 gene promoter and breast cancer risk. Yu KD, et al. Breast Cancer Res Treat, 2010 Aug 25. PMID 20737205. Association of genetic polymorphisms in the interleukin-10 promoter with risk of prostate cancer in Chinese. Liu J, et al. BMC Cancer, 2010 Aug 24. PMID 20735825.

## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa) .



Western Blot analysis of IL10 expression in transfected 293T cell line by IL10 monoclonal antibody (M03), clone 1C10.

Lane 1: IL10 transfected lysate (20.5 KDa).  
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.