

IL10 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant IL10.

Catalog # AT2500a

Product Information

Application	WB
Primary Accession	P22301
Other Accession	NM_000572
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	1C10
Calculated MW	20517

Additional Information

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

Background

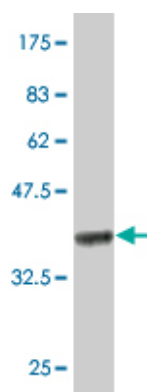
The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. 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

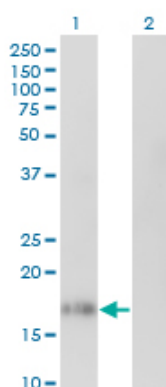
Association of Interleukin-10 Polymorphisms with Cytokines in Type 2 Diabetic Nephropathy. Kung WJ, et al.

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'.