

Datasheet for ABIN7267981

**anti-IL-10 antibody**

## 4 Images

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## Overview

Quantity:	100 µL
Target:	IL-10 (IL10)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This IL-10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Purpose:	IL10 Rabbit mAb
Immunogen:	A synthesized peptide derived from human IL10
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	IL-10 (IL10)
Alternative Name:	IL10 ( <a href="#">IL10 Products</a> )
Background:	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser

## Target Details

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. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.[provided by RefSeq, May 2011],CSIF, GVHDS, IL-10, IL10A, TGIF,Apoptosis,Cancer,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Cytokines,Cytokines\_Interleukins,Growth factors,Immunology & Inflammation,Tumor immunology,IL10

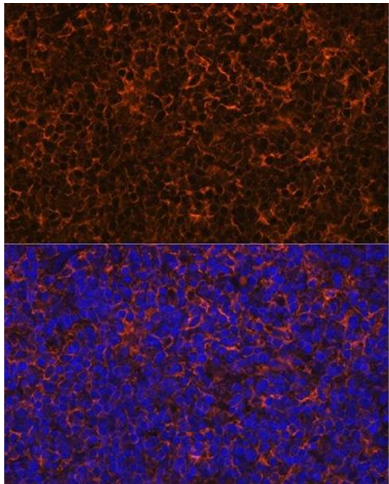
Molecular Weight:	18kDa
Gene ID:	3586
UniProt:	<a href="#">P22301</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

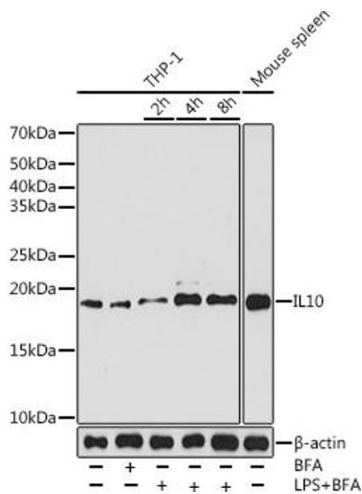
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



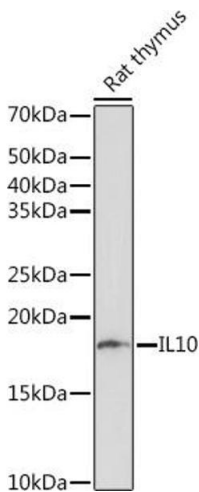
Immunofluorescence

**Image 1.** Immunofluorescence analysis of rat thymus using IL10 Rabbit mAb (ABIN7267981) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using IL10 antibody (ABIN7267981) at 1:1000 dilution. THP-1 cells were treated by LPS and Brefeldin A for different times of stimulation. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s. ,



Western Blotting

**Image 3.** Western blot analysis of extracts of Rat thymus, using IL10 antibody (ABIN7267981) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s. ,

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7267981.