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# anti-IL-4 antibody (AA 61-111)

**Images** 



### Overview

Quantity:	100 μL
Target:	IL-4 (IL4)
Binding Specificity:	AA 61-111
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

### **Product Details**

Purpose:	Monoclonal Antibody to Interleukin 4 (IL4)
Immunogen:	Recombinant Interleukin 4 (IL4) corresdonding to Asn61~Leu111 with N-terminal His and GST Tag
Clone:	C10
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against IL4. It has been selected for its ability to recognize IL4 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

## **Target Details**

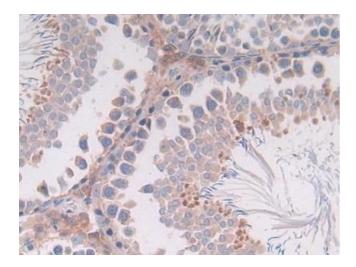
Target:	IL-4 (IL4)
Alternative Name:	Interleukin 4 (IL4 Products)
Background:	BSF1, BCGF1, B Cell Stimulatory Factor 1, Lymphocyte stimulatory factor 1, B Cell Growth Factor, Binetrakin, Pitrakinra
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Proton Transport, Activated T Cell Proliferation

## **Application Details**

Application Notes:	Western blotting: 0.5-2 μg/mL
	Immunohistochemistry: 5-20 µg/mL
	Immunocytochemistry: 5-20 μg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only

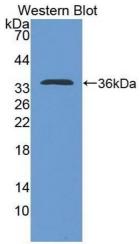
## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



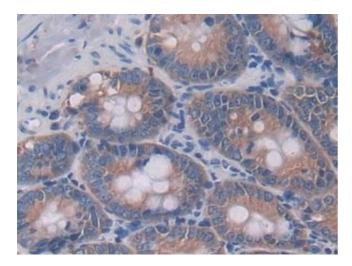
### **Immunohistochemistry**

**Image 1.** Detection of IL4 in Rat Testis Tissue using Monoclonal Antibody to Interleukin 4 (IL4)



### **Western Blotting**

**Image 2.** Detection of Recombinant IL4, Rat using Monoclonal Antibody to Interleukin 4 (IL4)



## **Immunohistochemistry**

**Image 3.** Detection of IL4 in Rat Intestine Tissue using Monoclonal Antibody to Interleukin 4 (IL4)