

For Research Use Only

# IL-4 Polyclonal ANTIBODY



Catalog Number: 16545-1-AP **2 Publications**

## Basic Information

<b>Catalog Number:</b> 16545-1-AP	<b>GenBank Accession Number:</b> BC070123	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3565	
<b>Source:</b> Rabbit	<b>Full Name:</b> interleukin 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 153 aa, 17 kDa	
<b>Immunogen Catalog Number:</b> AG9871		

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
ELISA, WB

**Species Specificity:**  
human

**Cited Species:**  
human, rat

## Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luodan Yang	29056360	Exp Neurol	ELISA
Yan-Jiun Huang	28241877	J Hematol Oncol	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data