

For Research Use Only

# IL-4 Recombinant antibody

Catalog Number: 83894-1-RR



## Basic Information

<b>Catalog Number:</b> 83894-1-RR	<b>GenBank Accession Number:</b> BC070123	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3565	<b>CloneNo.:</b> 240794A8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05112	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4	
	<b>Calculated MW:</b> 153 aa, 17 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : Raji cells,
<b>Species Specificity:</b> human	

## 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

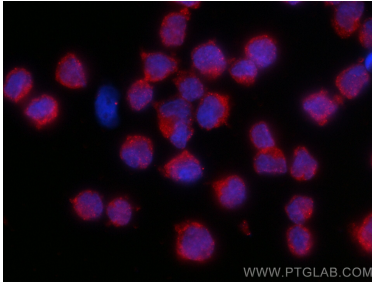
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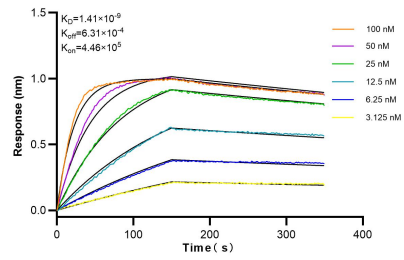
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using IL-4 antibody (83894-1-RR, Clone: 240794A8) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Biolayer interferometry (BLI) kinetic assays of 83894-1-RR against Human IL-4 were performed. The affinity constant is 1.41 nM.