

For Research Use Only

# Anti-Human IL-4 Rabbit Recombinant Antibody

Catalog Number: 98138-1-RR



## Basic Information

<b>Catalog Number:</b> 98138-1-RR	<b>GenBank Accession Number:</b> BC070123	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 3565	<b>CloneNo.:</b> 240794E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05112	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4	
	<b>Calculated MW:</b> 153 aa, 17 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

IL-4 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. IL-4 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. IL-4 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 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

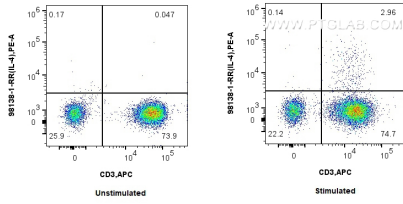
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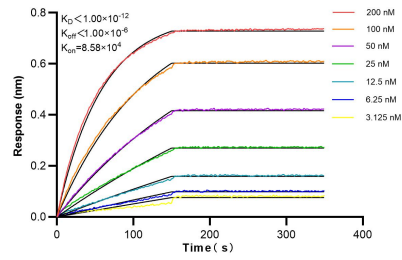
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were intracellularly stained with 0.25 ug Anti-Human IL-4 Rabbit Recombinant Antibody (98138-1-RR, Clone: 240794E11) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98138-1-RR against Human IL-4 were performed. The affinity constant is below 1 pM.