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Datasheet for ABIN7193555

## anti-IL4 Receptor antibody (AA 26-232)

### 4 Images

#### Overview

Quantity:	0.1 mg
Target:	IL4 Receptor (IL4R)
Binding Specificity:	AA 26-232
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

#### Product Details

Immunogen:	Purified recombinant fragment of human CD124 (AA: 26-232) expressed in E. coli.
Clone:	4B12B12
Isotype:	IgG1
Purification:	purified

#### Target Details

Target:	IL4 Receptor (IL4R)
Alternative Name:	CD124 ( <a href="#">IL4R Products</a> )
Background:	Description: This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound

## Target Details

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protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.

Aliases: IL4R, IL4RA, IL-4RA

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Molecular Weight: 89.7 kDa

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Gene ID: 3566

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Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#)

## Application Details

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Application Notes: WB:1:500 - 1:2000, FCM:1:200 - 1:400, ELISA:1:10000,

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Restrictions: For Research Use only

## Handling

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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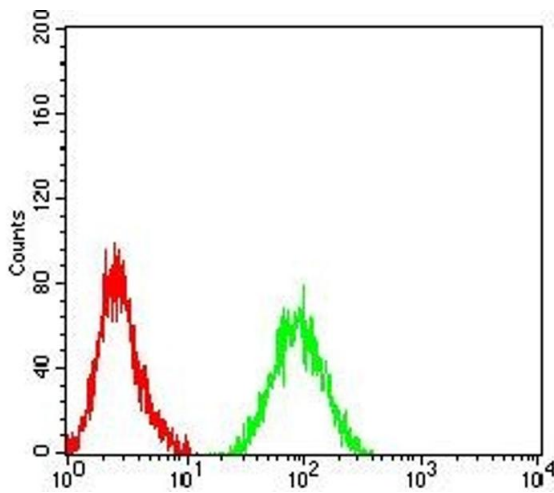
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

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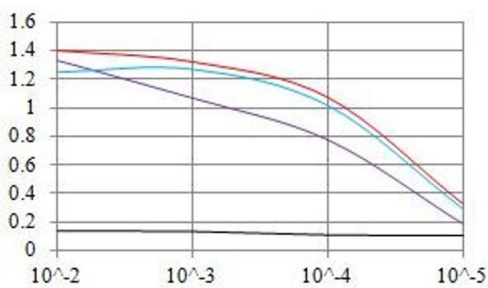
Storage Comment: 4°C, -20°C for long term storage



### Flow Cytometry

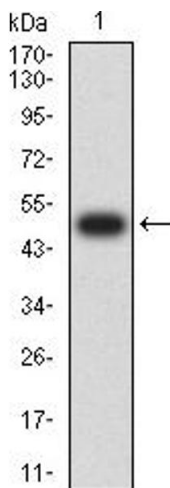
**Image 1.** Flow cytometric analysis of HL-60 cells using CD124 mouse mAb (green) and negative control (red).

### O.D. ELISA Result



### Serial Dilutions of Antibody

— Control Antigen = 100ng — Antigen = 10ng  
 — Antigen = 50ng — Antigen = 100ng



### ELISA

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

### Western Blotting

**Image 3.** Western blot analysis using CD124 mAb against human CD124 (AA: 26-232) recombinant protein. (Expected MW is 49.7 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193555.