

For Research Use Only

# IL-4RA/CD124 Monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 67051-3-PBS



## Basic Information

<b>Catalog Number:</b> 67051-3-PBS	<b>GenBank Accession Number:</b> NM_000418	<b>Purification Method:</b> Euglobulin precipitation
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3566	<b>CloneNo.:</b> 3F12E8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P24394	
<b>Isotype:</b> IgM	<b>Full Name:</b> interleukin 4 receptor	
<b>Immunogen Catalog Number:</b> AG28411	<b>Calculated MW:</b> 90 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

67051-3-PBS targets IL-4RA/CD124 as part of a matched antibody pair:

MP50242-1: 67051-3-PBS capture and 67051-2-PBS detection (validated in Cytometric bead array)

MP50242-2: 67051-4-PBS capture and 67051-3-PBS detection (validated in Cytometric bead array)

MP50242-3: 67051-3-PBS capture and 67051-5-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

IL-4 receptor alpha chain (IL-4RA), also known as CD124, is a transmembrane glycoprotein expressed on a wide variety of hematopoietic and non-hematopoietic cells. It is a receptor for both IL-4 and IL-13. IL-4RA can complex with the common gamma chain (IL-2R gamma or CD132) and utilizes JAK1 and JAK2 for signal transduction, while complexes of IL-4RA with IL-13RA1 subunit mediate signals via JAK2 and Tyk2. The IL-4 response is involved in promoting Th2 differentiation. The IL-4/IL-13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation.

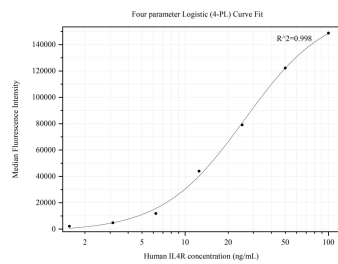
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

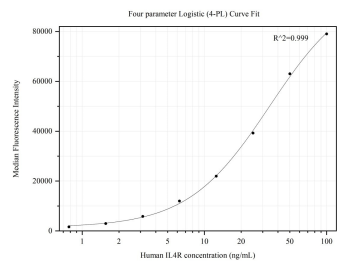
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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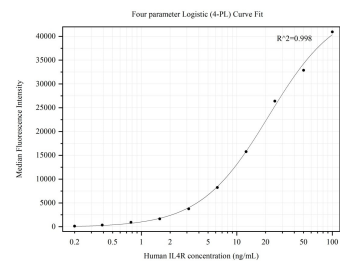
# Selected Validation Data



Cytometric bead array standard curve of MP50242-1, IL4R/IL-4RA/CD124 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67051-3-PBS. Detection antibody: 67051-2-PBS. Standard:Ag28411. Range: 1.563-100 ng/mL



Cytometric bead array standard curve of MP50242-2, IL4R/IL-4RA/CD124 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67051-4-PBS. Detection antibody: 67051-3-PBS. Standard:Ag28411. Range: 0.781-100 ng/mL



Cytometric bead array standard curve of MP50242-3, IL4R/IL-4RA/CD124 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67051-3-PBS. Detection antibody: 67051-5-PBS. Standard:Ag28411. Range: 0.195-100 ng/mL