

For Research Use Only

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

Catalog Number: 67051-4-PBS



Basic Information

Catalog Number: 67051-4-PBS	GenBank Accession Number: NM_000418	Purification Method: Euglobulin precipitation
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3566	CloneNo.: 1B10E9
Source: Mouse	UNIPROT ID: P24394	
Isotype: IgM	Full Name: interleukin 4 receptor	
Immunogen Catalog Number: AG28411	Calculated MW: 90 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

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

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

MP50242-4: 67051-4-PBS capture and 67051-2-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.

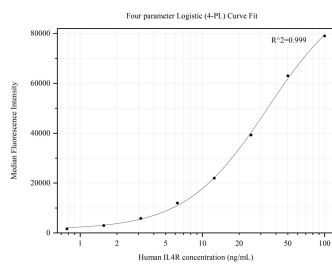
Storage

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

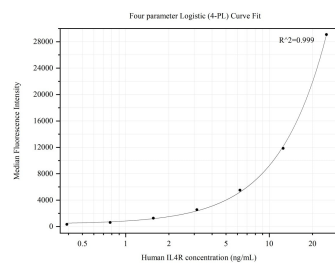
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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 MP50242-4, IL4R/IL-4RA/CD124 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67051-4-PBS. Detection antibody: 67051-2-PBS. Standard:Ag28411. Range: 0.391-25 ng/mL