

IL-4RA/CD124 Recombinant monoclonal antibody

Catalog Number: 84758-5-RR

Basic Information

Catalog Number: 84758-5-RR	GenBank Accession Number: NM_001008700.3	Purification Method: Protein A purification
Concentration:	GeneID (NCBI): 16190	CloneNo.: 242262E3
Source: Rabbit	UNIPROT ID: P16382-1	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: interleukin 4 receptor, alpha	
Immunogen Catalog Number: EG2176	Calculated MW: 88 kDa Observed MW: 130 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : NIH/3T3 cells, IHC : human tonsil tissue, mouse spleen tissue, rat spleen tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

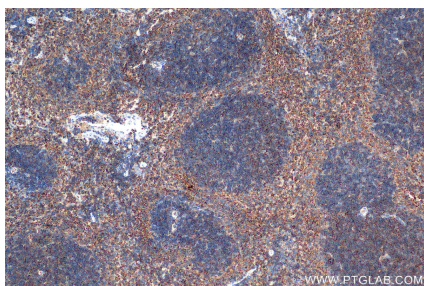
Background Information

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.

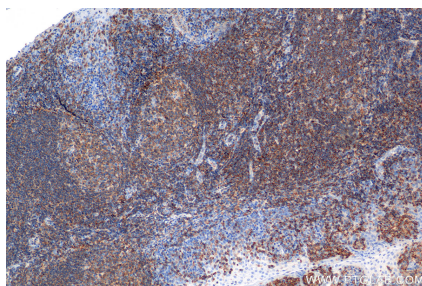
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

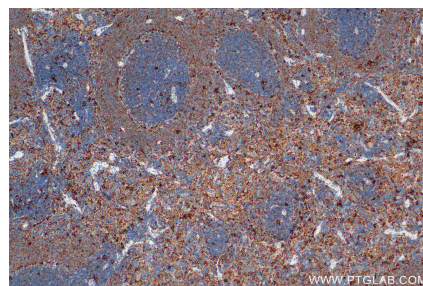
Selected Validation Data



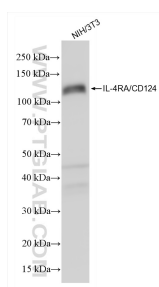
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84758-5-RR (IL-4RA/CD124 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 84758-5-RR (IL-4RA/CD124 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 84758-5-RR (IL-4RA/CD124 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 84758-5-RR (IL-4 R alpha/CD124 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.