

For Research Use Only

IL-10RA Polyclonal antibody

Catalog Number: 13356-1-AP **1 Publications**



Basic Information

Catalog Number: 13356-1-AP	GenBank Accession Number: BC028082	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3587	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: interleukin 10 receptor, alpha	
Isotype: IgG	Calculated MW: 578 aa, 63 kDa	
Immunogen Catalog Number: AG4156	Observed MW: 70-72 kDa, 90-95 kDa	

Applications

Tested Applications:
FC, WB, ELISA

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Cited Species:
mouse

Positive Controls:

WB : HeLa cells, human heart tissue, human placenta tissue, human liver tissue, K-562 cells, mouse brain tissue, rat brain tissue, rat liver tissue

Background Information

Interleukin-10 (IL-10) is an anti-inflammatory cytokine that plays a critical role in maintaining immune system balance. IL-10 signals through a receptor complex consisting of two molecules of the IL-10R alpha-chain (IL-10RA) and two molecules of the accessory IL-10R beta-chain (IL-10RB) (PMID: 22236434). IL-10RA and IL-10RB are members of the type II cytokine receptor family. IL-10RA, also known as IL-10R1 or CD210, is expressed on most hematopoietic cells at a basal level but is upregulated by various cells upon activation (PMID: 24507158). IL-10RA serves as the ligand-binding subunit of the receptor complex. Upon binding of IL-10 to the IL-10R complex, the kinases JAK1 and TYK2 are activated and catalyze the phosphorylation of IL-10RA at specific intracellular tyrosine residues, leading to the recruitment and subsequent phosphorylation of STAT3 (PMID: 11244051; 10433356).

Notable Publications

Author	Pubmed ID	Journal	Application
Yanli Ma	37638046	Front Immunol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

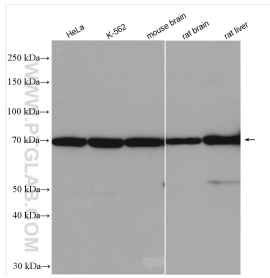
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

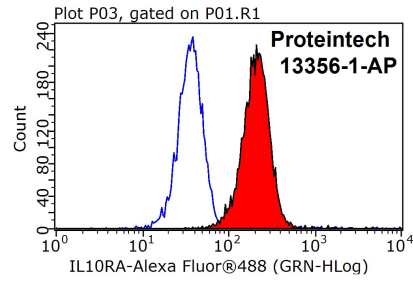
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13356-1-AP (IL-10RA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10⁶ K-562 cells were stained with 0.2ug IL10RA antibody (13356-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.