

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody



Catalog Number: **CL488-98024**

## Basic Information

Catalog Number: CL488-98024	GenBank Accession Number: NM_010559.3	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 16194	CloneNo.: 230371A7
Source: Rabbit	UNIPROT ID: P22272	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: interleukin 6 receptor, alpha	
	Calculated MW: 50KD	

## Applications

Tested Applications:  
FC  
Species Specificity:  
mouse

## Background Information

Interleukin-6 (IL-6) is a pleiotropic cytokine produced by a variety of cells during infection, trauma, and immunological challenge (PMID: 8274730). IL-6 acts via a receptor complex consisting of two distinct membrane-bound glycoproteins, an 80-kDa IL-6-binding subunit (IL-6R alpha, CD126, gp80) and a 130-kDa signal-transducing element (gp130, CD130). After binding of IL-6 to membrane-bound IL-6R alpha, the complex of IL-6 and IL-6R alpha associates with gp130, thus activating the receptor (PMID: 9716487). Expression of gp130 is found in almost all organs while expression of IL-6R alpha is predominantly confined to hepatocytes and leukocyte subpopulations (monocytes, neutrophils, T cells, and B cells) (PMID: 11149892).

## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light.  
Storage Buffer:  
PBS with 0.09% sodium azide.

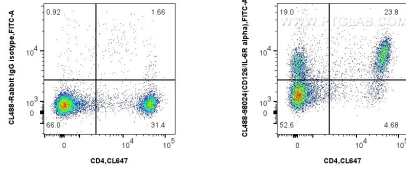
For technical support and original validation data for this product please contact:

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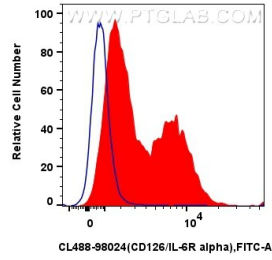
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody (CL488-98024, Clone:230371A7), or Isotype Control. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody (CL488-98024, Clone: 230371A7) (red), or Isotype Control (blue). Cells were not fixed.