

For Research Use Only

# IL-6 Recombinant antibody

Catalog Number: 83795-7-RR



## Basic Information

Catalog Number: 83795-7-RR	GenBank Accession Number: NM_031168	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 16193	CloneNo.: 240701B9
Source: Rabbit	UNIPROT ID: P08505	Recommended Dilutions: IHC: 1:500-1:2000
Isotype: IgG	Full Name: interleukin 6	
Immunogen Catalog Number: EG0973	Calculated MW: 24 kDa	

## Applications

Tested Applications:  
IHC, ELISA

Species Specificity:  
mouse

Positive Controls:

IHC : mouse 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

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

## 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

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

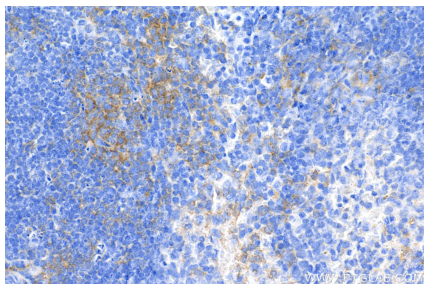
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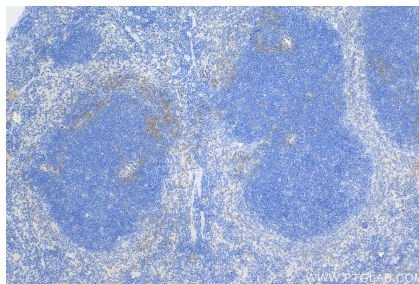
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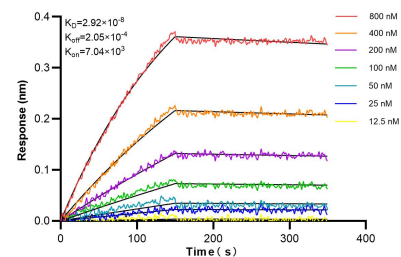
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83795-7-RR (IL-6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83795-7-RR (IL-6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83795-7-RR against Mouse IL-6 were performed. The affinity constant is 29.2 nM.