

## Anti-Interleukin-6 IL6 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA1352-Fluoro647

### About IL6

Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is one of the most important mediators of fever and of the acute phase response. IL-6 is also essential for hybridoma growth and is found in many supplemental cloning media such as briclone. Bowcock et al. (1988) assigned the IL6 gene to chromosome 7p21. By in situ hybridization and Southern blot analysis of mouse-human hybrid cell lines, Sutherland et al. (1988) mapped the IL6 gene to chromosome 7p15.

### Overview

Product Name	Anti-Interleukin-6 IL6 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P20607

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat IL6, different from the related mouse sequence by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 41 Publications Citing This Product

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1. PubMed ID: 33316740, Tan J,Luo J,Meng C,Jiang N,Cao J,Zhao J. Syringin exerts neuroprotective effects in a rat model of cerebral ischemia through the FOXO3a/NF-kappaB pathway. Int Immunopharmacol.2020 Dec 11;90:107268.doi:10.1016/j.intimp.2020.107268.Epub ahead of print.PMID:333
2. PubMed ID: 28239811, The expression and significance of IL-6, IFN- $\gamma$ , SM22 $\alpha$ , and MMP-2 in rat model of aortic dissection
3. PubMed ID: 29862173, Transfection with CXCR4 potentiates homing of mesenchymal stem cells in vitro and therapy of diabetic retinopathy in vivo

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