

## Anti-human IL6 Antibody Picoband™ (monoclonal, 7D12)

Catalog Number: M00102-2

### 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 IL-6 gene to chromosome 7p15.

### Overview

Product Name	Anti-human IL6 Antibody Picoband™ (monoclonal, 7D12)
Reactive Species	Human
Description	Boster Bio Anti-human IL6 Antibody Picoband™ (monoclonal, 7D12) catalog # M00102-2. Tested in ELISA applications. This antibody reacts with Human.
Application	ELISA
Clonality	Monoclonal 7D12
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P05231

### Technical Details

Immunogen	sf21-derived human IL6 recombinant protein (Position: P29-M212).
Predicted Reactive Species	Hepatitis Virus
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA (Cap), 1-5ug/ml, Human</p>

## 12 Publications Citing This Product

1. PubMed ID: 10.2147/DDDT.S294009, Nephroprotective Effect of Adropinin Against Streptozotocin-Induced Diabetic Nephropathy in Rats: Inflammatory Mechanism and YAP/TAZ Factor

2. PubMed ID: 33623368, Guo L,Jiang B,Li D,Xiao X. Nephroprotective Effect of Adropinin Against Streptozotocin-Induced Diabetic Nephropathy in Rats: Inflammatory Mechanism and YAP/TAZ Factor.Drug Des Devel Ther.2021 Feb 16;15:589-600.doi:10.2147/DDDT.S294009.PMID:33623368;PMCID

3. PubMed ID: 24603891, Sun W, Liu Db, Li Ww, Zhang Li, Long Gx, Wang Jf, Mei Q, Hu Gq. Int J Oncol. 2014 May;44(5):1551-60. Doi: 10.3892/Ijo.2014.2323. Epub 2014 Mar 5. Interleukin-6 Promotes The Migration And Invasion Of Nasopharyngeal Carcinoma Cell Lines And Upregula...

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