

## Anti-Interleukin-10 IL10 Antibody

Catalog Number: PA1354

### About IL10

Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the IL10 gene. It is capable of inhibiting synthesis of pro-inflammatory cytokines like IFN-gamma, IL-2, IL-3, TNFalpha and GM-CSF made by cells such as macrophages and regulatory T-cells. IL-10 also displays potent abilities to suppress the antigen presentation capacity of antigen presenting cells. Kim et al. (1992) showed that the mouse IL10 gene contains 5 exons and spans about 5.2 kb of genomic DNA. Eskdale et al. (1997) mapped the IL10 gene to the junction between 1q31 and 1q32.

### Overview

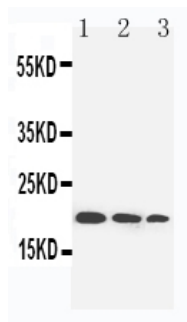
Product Name	Anti-Interleukin-10 IL10 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Interleukin-10 IL10 Antibody catalog # PA1354. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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	Rabbit
Uniprot ID	P22301

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IL10 (46-60aa DAFSRVKTFQMKDQ).
Predicted Reactive Species	Horse, Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used Western blot, 0.1-0.5 µg/ml, Human  For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-Interleukin-10 IL10 Antibody (PA1354) Images



Anti-IL-10 antibody, PA1354, Western blotting  
Lane 1: Recombinant Human IL-10 Protein 10ng  
Lane 2: Recombinant Human IL-10 Protein 5ng  
Lane 3: Recombinant Human IL-10 Protein 2.5ng

## 17 Publications Citing This Product

1. PubMed ID: 25245263, Zhan X, Jia L, Niu Y, Qi H, Chen X, Zhang Q, Zhang J, Wang Y, Dong L, Wang C. Biomaterials. 2014 Dec;35(38):10046-57. Doi: 10.1016/J.Biomaterials.2014.09.007. Epub 2014 Sep 22. Targeted Depletion Of Tumour-Associated Macrophages By An Alendronate-...
2. PubMed ID: 26083117, Protective Effect of the Total Saponins from Rosa laevigata Michx Fruit against Carbon Tetrachloride-Induced Liver Fibrosis in Rats
3. PubMed ID: 22594905, Zhong B, Shen H, Sun X, Wang H, Zhang Y, Sun Z. Cancer Biother Radiopharm. 2012 May;27(4):252-8. Doi: 10.1089/Cbr.2011.1105. Additive Effects Of Ulinastatin And Docetaxel On Growth Of Breast Cancer Xenograft In Nude Mice And Expression Of Pge2, Il...

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