

## Anti-IP10/CXCL10 Antibody Picoband®

Catalog Number: PA1396

### About CXCL10

C-X-C motif chemokine 10 (CXCL10), also known as Interferon gamma-induced protein 10 kDa (IP-10) or small-inducible cytokine B10, is a protein that in humans is encoded by the CXCL10 gene. It is a small cytokine belonging to the CXC chemokine family. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. Luster et al. (1987) reported the isolation of an interferon-inducible gene that encodes a 98-amino acid protein called IP10. The chemokine IFN-gamma-inducible protein 10 (IP-10; CXCL10), a CXC chemokine, and its receptor, CXCR3, were found to be overexpressed in lymph node cells of EAMG rats. IP10 inhibits bone marrow colony formation, has antitumor activity *in vivo*, is a chemoattractant for human monocytes and T cells, and promotes T cell adhesion to endothelial cells.

### Overview

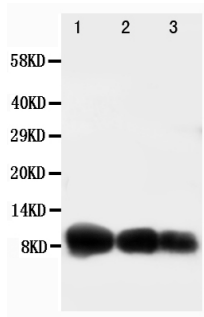
|                      |   |
|----------------------|---|
| Product Name         | Anti-IP10/CXCL10 Antibody Picoband®   |
| Reactive Species     | Human   |
| Description          | Boster Bio Anti-IP10/CXCL10 Antibody catalog # PA1396. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.   |
| Application          | IHC, WB   |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .<br>*This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| 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           | P02778  |

### Technical Details

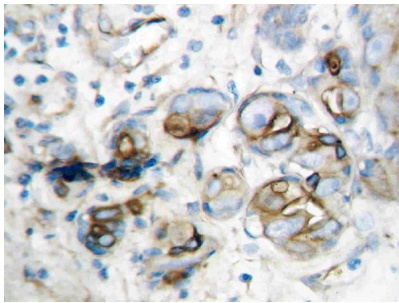
|                               |  |
|-------------------------------|--|
| Immunogen                     | A synthetic peptide corresponding to a sequence at the C-terminus of human IP10.   |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P). |

|                     |  |
|---------------------|--|
| Cross Reactivity    | No cross-reactivity with other proteins  |
| Isotype             | Rabbit IgG   |
| Form                | Lyophilized  |
| Concentration       | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                |
| Purification        | Immunogen affinity purified.   |
| Suggested Dilutions | Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human<br>Western blot, 0.1-0.5ug/ml, Human |

## Anti-IP10/CXCL10 Antibody Picoband® (PA1396) Images



Anti-IP10 antibody, PA1396, Western blotting  
Lane 1: Recombinant Human CXCL10 Protein 10ng  
Lane 2: Recombinant Human CXCL10 Protein 5ng  
Lane 3: Recombinant Human CXCL10 Protein 2.5ng



Anti-IP10 antibody, PA1396, IHC(P)  
IHC(P): Human Mammary Cancer Tissue

## 2 Publications Citing This Product

1. PubMed ID: 33345267, Qin XJ, Lin X, Xue G, Fan HL, Wang HY, Wu JF, Pei D. CXCL10 is a potential biomarker and associated with immune infiltration in human papillary thyroid cancer. Biosci Rep. 2020 Dec 21:BSR20203459. doi: 10.1042/BSR20203459. Epub ahead of print. PMID:33345267.

2. PubMed ID: 28387899, A correlation study between gene polymorphism of Th cell expressed chemokine receptor CXCR3 and its ligand levels with HCV infection prognosis

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Anti-IP10/CXCL10 Antibody

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