

**Anti-PF4 Picoband Antibody**  
**Catalog # ABO11630****Specification**

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**Anti-PF4 Picoband Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">Q9Z126</a> |
| Host              | Rabbit                 |
| Reactivity        | Mouse, Rat             |
| Clonality         | Polyclonal             |
| Format            | Lyophilized            |

**Description**

Rabbit IgG polyclonal antibody for Platelet factor 4(PF4) detection. Tested with WB, IHC-P, ELISA in Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-PF4 Picoband Antibody - Additional Information**

**Gene ID** 56744

**Other Names**

Platelet factor 4, PF-4, C-X-C motif chemokine 4, Pf4, Cxcl4, Scyb4

**Calculated MW**

11243 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat<br><br>ELISA , 0.1-0.5 µg/ml, Mouse, -<br>Western blot, 0.1-0.5 µg/ml, Mouse<br>

**Subcellular Localization**

Secreted.

**Protein Name**

Platelet factor 4

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E. coli-derived mouse PF4 recombinant protein (Position: V30-S105). Mouse PF4 shares 74.3% and 86.8% amino acid (aa) sequence identity with human and rat PF4, respectively.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

### **Anti-PF4 Picoband Antibody - Protein Information**

**Name** Pf4

**Synonyms** Cxcl4, Scyb4

#### **Function**

Released during platelet aggregation. Neutralizes the anticoagulant effect of heparin because it binds more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Chemotactic for neutrophils and monocytes. Inhibits endothelial cell proliferation (By similarity).

#### **Cellular Location**

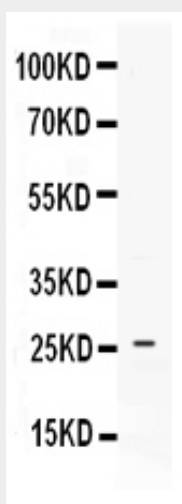
Secreted.

### **Anti-PF4 Picoband Antibody - Protocols**

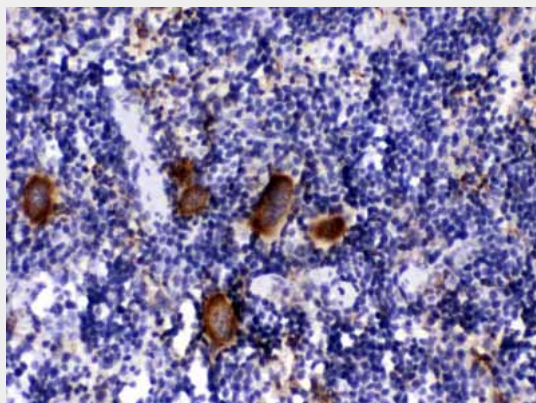
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

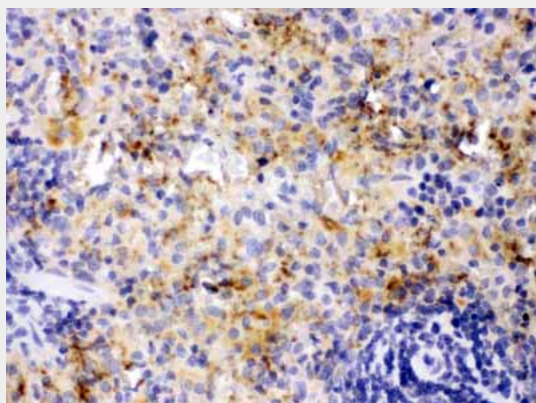
### **Anti-PF4 Picoband Antibody - Images**



Western blot analysis of PF4 expression in mouse skeletal muscle extract (lane 1). PF4 at 26KD was detected using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody (Catalog # ABO11630) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .



PF4 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody (Catalog # ABO11630) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .



PF4 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody (Catalog # ABO11630) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-PF4 Picoband Antibody - Background**

Platelet factor 4 (PF4) is a small cytokine belonging to the CXC chemokine family that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). By in situ hybridization, the CXCL4 gene is mapped to chromosome 4q12-q21. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair.