

## Product datasheet

### Anti-PF4 antibody ab9561

★★★★★ [1 Abreviews](#) [12 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-PF4 antibody
<b>Description</b>	Rabbit polyclonal to PF4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human PF4. Highly pure (>98%) recombinant hPF-4 (human Platelet Factor-4) Database link: <a href="#">P02776</a>
<b>Positive control</b>	Recombinant human PF4 protein ( <a href="#">ab9562</a> ) can be used as a positive control in WB.
<b>General notes</b>	<p>This product is no longer batch tested in IHC, for an IHC validated antibody please see <a href="#">ab49735</a></p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Lyophilized:Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	unknown
<b>Light chain type</b>	unknown

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab9561 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent concentration. Detects a band of approximately 11 kDa (predicted molecular weight: 11 kDa). To detect hPF-4 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPF-4 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with <b>ab83123</b>

## Target

### 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, the short form is a more potent inhibitor than the longer form.

### Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

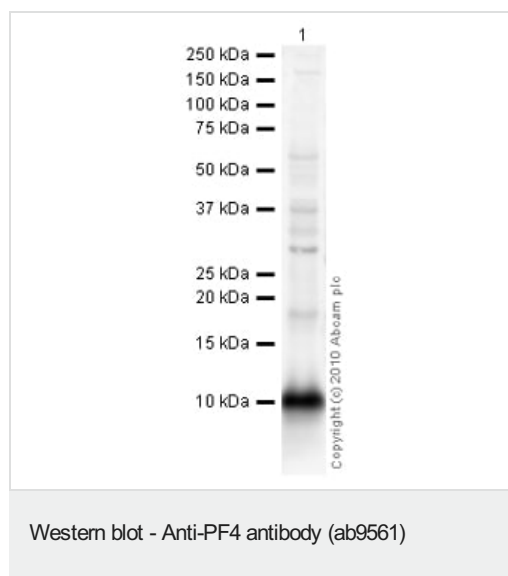
### Post-translational modifications

Binds non-covalently to a proteoglycan molecule.

### Cellular localization

Secreted.

## Images



Anti-PF4 antibody (ab9561) at 1 µg/ml + Human Platelet (Human adult normal cell line) Whole Cell Lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

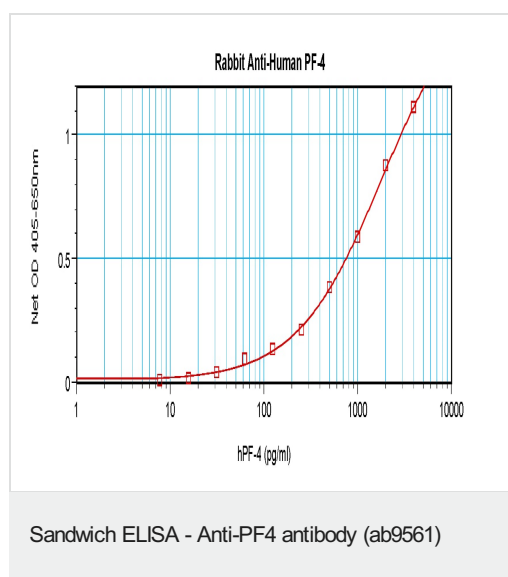
Performed under reducing conditions.

**Predicted band size:** 11 kDa

**Observed band size:** 11 kDa

**Additional bands at:** 18 kDa, 30 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 2 minutes



To detect Human PF-4 by sandwich ELISA (using 100µl/well) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with suitable detection antibody, allows the detection of at least 2000-4000 pg/ml of Recombinant Human PF-4.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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