

## Human Platelet Factor 4 Variant 1 ELISA Kit | PF4V1 elisa kit

Human Platelet Factor 4 Variant 1 ELISA Kit

CATALOG #  
**AAA87346**

REACTIVITY  
**Human**

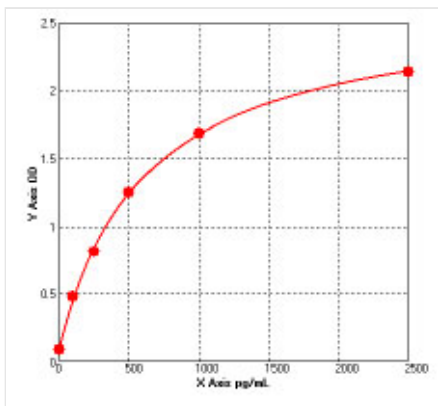
### PRODUCT SYNONYMS

Platelet Factor 4 Variant 1; Human Platelet Factor 4 Variant 1 ELISA Kit; PF4V1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PF4V1. No significant cross-reactivity or interference between PF4V1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PF4V1 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PF4V1 elisa kit | <p>Intended Uses: This PF4V1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PF4V1. This ELISA kit for research use only!</p> <p>Principle of the Assay: PF4V1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PF4V1. Standards or samples are then added to the microtiter plate wells and PF4V1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PF4V1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PF4V1 are added to each well to "sandwich" the PF4V1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PF4V1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PF4V1 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for PF4V1 elisa kit   | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4505735                                                                                                      |
| NCBI GeneID                      | 5197                                                                                                         |
| NCBI Accession #                 | NP_002611.1                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_002620.2                                                                                                  |
| Molecular Weight                 | 11,553 Da                                                                                                    |
| NCBI Official Full Name          | platelet factor 4 variant                                                                                    |
| NCBI Official Synonym Full Names | platelet factor 4 variant 1                                                                                  |
| NCBI Official Symbol             | PF4V1                                                                                                        |
| NCBI Official Synonym Symbols    | PF4A; CXCL4L1; CXCL4V1; PF4-ALT; SCYB4V1                                                                     |
| NCBI Protein Information         | platelet factor 4 variant; PF4alt; PF4var1; C-X-C motif chemokine 4; platelet factor 4, variant 1 (PF4-like) |
| UniProt Protein Name             | Platelet factor 4 variant                                                                                    |
| UniProt Gene Name                | <b>PF4V1</b>                                                                                                 |
| UniProt Synonym Gene Names       | CXCL4V1; SCYB4V1                                                                                             |
| UniProt Entry Name               | PF4V_HUMAN                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pf4v1-human-elisa-kits/platelet-factor-4-variant-1/87346>