

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

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CATALOG #  
**AAA91984**

REACTIVITY  
**Canine**

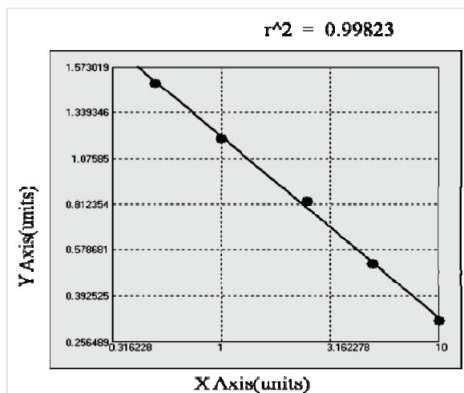
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                  |
| Detection Range         | 100-2500pg/mL                                                                                                                                                                             |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                  |
| Intended Uses           | This PF4V1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PF4V1. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PF4V1 elisa kit

**Principle of the assay:** PF4V1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PF4V1 antibody and an PF4V1-HRP conjugate. The assay sample and buffer are incubated together with PF4V1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PF4V1 concentration since PF4V1 from samples and PF4V1-HRP conjugate compete for the anti-PF4V1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PF4V1 from the sample, fewer sites are left to bind PF4V1-HRP conjugate. 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.

## 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.