

Sheep Platelet Factor 4 Variant 1 ELISA Kit | PF4V1 elisa kit

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CATALOG #
AAA91840

REACTIVITY
Sheep

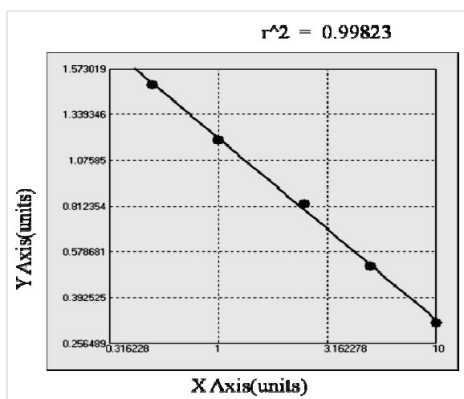
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PF4V1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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	PF4V1
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.