

Canine Perforin 1 ELISA Kit | PRF1 elisa kit

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CATALOG #
AAA92267

REACTIVITY
Canine

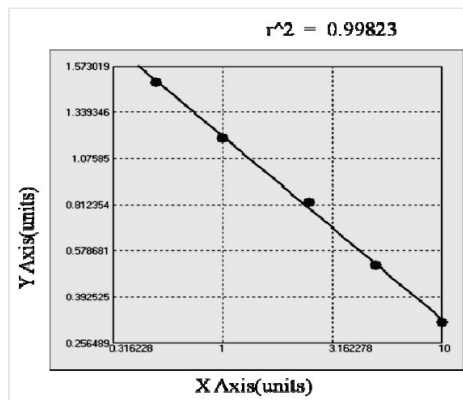
PRODUCT SYNONYMS

Perforin 1; Canine Perforin 1 ELISA Kit; PRF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PRF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PRF1. 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 PRF1 elisa kit

Principle of the Assay: PRF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRF1 antibody and an PRF1-HRP conjugate. The assay sample and buffer are incubated together with PRF1-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 PRF1 concentration since PRF1 from samples and PRF1-HRP conjugate compete for the anti-PRF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRF1 from the sample, fewer sites are left to bind PRF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRF1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	133908621
NCBI GeneID	5551
NCBI Accession #	NP_001076585.1
NCBI GenBank Nucleotide #	NM_001083116.1
Molecular Weight	61,377 Da
NCBI Official Full Name	perforin-1
NCBI Official Synonym Full Names	perforin 1 (pore forming protein)
NCBI Official Symbol	PRF1
NCBI Official Synonym Symbols	P1; PFP; FLH2; PFN1; HPLH2
NCBI Protein Information	perforin-1; cytolyisin; lymphocyte pore forming protein; lymphocyte pore-forming protein
UniProt Protein Name	Perforin-1
UniProt Gene Name	PRF1
UniProt Synonym Gene Names	PFP; P1; PFP
UniProt Entry Name	PERF_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.