

Canine Interferon Alpha (IFNa) ELISA Kit | IFNa elisa kit

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CATALOG #
AAA64478

REACTIVITY
Canine

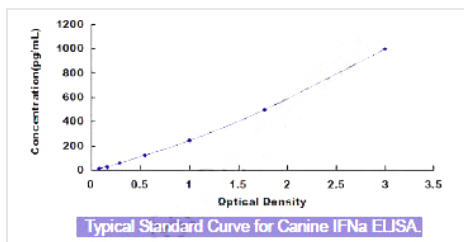
PRODUCT SYNONYMS

Interferon Alpha (IFNa); Canine Interferon Alpha (IFNa) ELISA Kit; IFNA1 IFL LeIF D IFN IFN-Alpha IFNA13 IFN-A IFNAP22 IFN-Alpha 1b Interferon Alpha 1b Interferon; Leukocytic IFN; Leukocyte Interferon alpha-D; IFNa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IFNa. No significant cross-reactivity or interference between IFNa and analogues was observed.
Sequence Length	187
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IFNa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IFNa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNa elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IFNa in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IFNa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IFNa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IFNa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IFNa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792760
NCBI GeneID	474181
NCBI Accession #	NP_001006655.1
NCBI GenBank Nucleotide #	NM_001006654.1
UniProt Accession #	Q75UL5; P81255
Molecular Weight	21,292 Da
NCBI Official Full Name	interferon alpha-1/2
NCBI Official Symbol	IFNA7
NCBI Official Synonym Symbols	CaIFN-alpha 7
NCBI Protein Information	interferon alpha-1/2
UniProt Protein Name	Interferon-alpha
UniProt Gene Name	CaIFN-alpha 7

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://www.aaabiotech.com/canine-elisa-kits/interferon-alpha-ifna/64478>