

Canine IFN-alpha (Interferon Alpha) ELISA Kit | IFN-alpha elisa kit

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CATALOG #
AAA250883

REACTIVITY
Canine

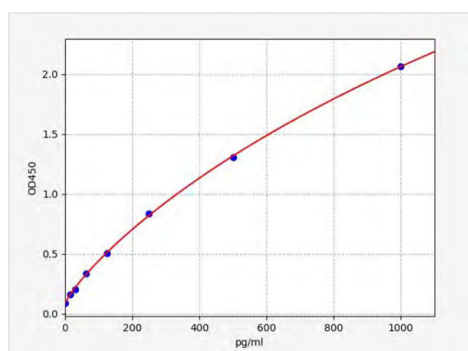
PRODUCT SYNONYMS

IFN-alpha (Interferon Alpha); Canine IFN-alpha (Interferon Alpha) ELISA Kit; IFN-alpha; Interferon Alpha; IFN-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	Specifically recognize IFN-alpha, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-alpha elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IFN-alpha antibody was pre-coated onto the 96-well plate. The biotin conjugated anti IFN-alpha antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with IFN- alpha conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IFN-alpha in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	345777481
NCBI GeneID	100685213
NCBI Accession #	XP_003431605.1
NCBI GenBank Nucleotide #	XM_003431557.3
UniProt Accession #	P81255
Molecular Weight	21,320 Da
NCBI Official Full Name	interferon alpha-1/2
NCBI Official Symbol	LOC100685213
NCBI Protein Information	interferon alpha-1/2
UniProt Protein Name	Interferon alpha-1/2
UniProt Gene Name	IFN-alpha-1/2
UniProt Synonym Gene Names	IFN-alpha-1/2

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/ifn-alpha-interferon-alpha/250883>