

Canine Interferon beta ELISA Kit | IFN-beta elisa kit

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CATALOG #
AAA16836

REACTIVITY
Canine

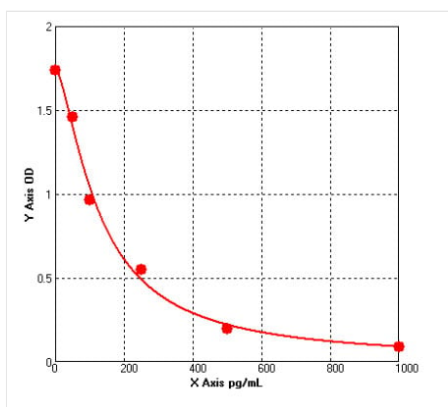
PRODUCT SYNONYMS

Interferon beta; Canine Interferon beta ELISA Kit; Canine Interferon b ELISA Kit; IFN-beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IFNbeta. No significant cross-reactivity or interference between IFNbeta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IFNbeta and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-beta elisa kit	Principle of the Assay: IFNbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IFNbeta antibody and an IFNbeta-HRP conjugate. The assay sample and buffer are incubated together with IFNbeta-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 IFNbeta concentration since IFNbeta from samples and IFNbeta-HRP conjugate compete for the anti-IFNbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by IFNbeta from the sample, fewer sites are left to bind IFNbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFNbeta concentration in each sample is interpolated from this standard curve. Intended Uses: This IFNbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IFNbeta. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for IFN-beta elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504603
NCBI GeneID	3456
NCBI Accession #	NP_002167.1
NCBI GenBank Nucleotide #	NM_002176.2
Molecular Weight	22,294 Da
NCBI Official Full Name	interferon beta
NCBI Official Synonym Full Names	interferon, beta 1, fibroblast
NCBI Official Symbol	IFNB1
NCBI Official Synonym Symbols	IFB; IFF; IFNB
NCBI Protein Information	interferon beta; IFN-beta; fibroblast interferon
UniProt Protein Name	Interferon beta
UniProt Gene Name	IFNB1
UniProt Synonym Gene Names	IFB; IFNB; IFN-beta
UniProt Entry Name	IFNB_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.

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Online datasheet: <https://stage.aaabiotech.com/ifn-beta-canine-elisa-kits/interferon-beta/16836>