

Sheep Interferon beta ELISA Kit | IFN-beta elisa kit

Sheep Interferon beta ELISA Kit

CATALOG #
AAA93660

REACTIVITY
Sheep

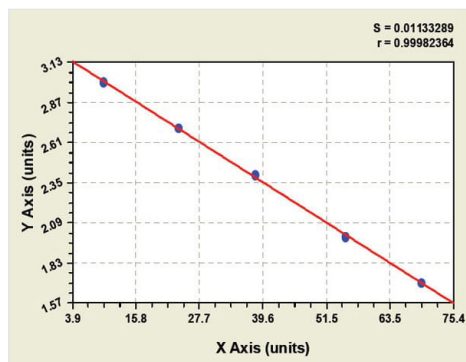
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This IFN-beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IFN-beta. This ELISA kit for research use only, not for therapeutic applications
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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: IFN-beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IFN-beta antibody and an IFN-beta-HRP conjugate. The assay sample and buffer are incubated together with IFN-beta-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 IFN-beta concentration since IFN-beta from samples and IFN-beta-HRP conjugate compete for the anti-IFN-beta antibody binding site. Since the number of sites is limited, as more sites are occupied by IFN-beta from the sample, fewer sites are left to bind IFN-beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFN-beta concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IFN-beta elisa kit	Cancer
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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-sheep-elisa-kits/interferon-beta/93660>