

Bovine Interferon alpha-21 ELISA Kit | IFNA21 elisa kit

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CATALOG #
AAA97020

REACTIVITY
Bovine

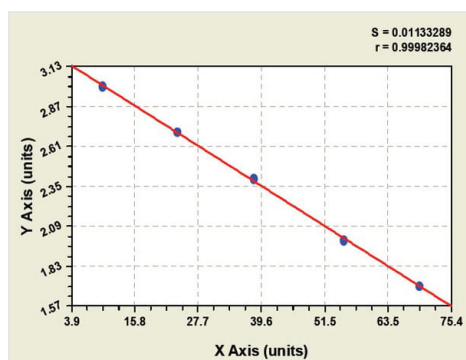
PRODUCT SYNONYMS

Interferon alpha-21; Bovine Interferon alpha-21 ELISA Kit; IFNA21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNA21 elisa kit

Intended Uses: This IFNa21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine IFNa21. This ELISA kit for research use only!

Principle of the Assay: IFNa21 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IFNa21 antibody and an IFNa21-HRP conjugate. The assay sample and buffer are incubated together with IFNa21-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 IFNa21 concentration since IFNa21 from samples and IFNa21-HRP conjugate compete for the anti-IFNa21 antibody binding site. Since the number of sites is limited, as more sites are occupied by IFNa21 from the sample, fewer sites are left to bind IFNa21-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFNa21 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IFNA21 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	169791013
NCBI GeneID	3452
NCBI Accession #	NP_002166.2
NCBI GenBank Nucleotide #	NM_002175.2
Molecular Weight	21,741 Da
NCBI Official Full Name	interferon alpha-21
NCBI Official Synonym Full Names	interferon, alpha 21
NCBI Official Symbol	IFNA21
NCBI Official Synonym Symbols	LeIF F; leIF-F; IFN-alpha
NCBI Protein Information	interferon alpha-21; IFN-alpha-21; interferon alpha-F; leukocyte interferon protein
UniProt Protein Name	Interferon alpha-21
UniProt Gene Name	IFNA21
UniProt Synonym Gene Names	IFN-alpha-21; LeIF F
UniProt Entry Name	IFN21_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/ifna21-bovine-ovine-elisa-kits/interferon-alpha-21/97020>