

Sheep Interferon gamma ELISA Kit | IFN-gamma elisa kit

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CATALOG #
AAA89240

REACTIVITY
Sheep

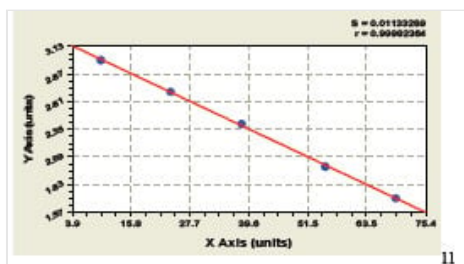
PRODUCT SYNONYMS

Interferon gamma; Sheep Interferon gamma ELISA Kit; Sheep Interferon g ELISA Kit; IFN-gamma elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This IFNgamma ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IFNgamma. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-gamma elisa kit

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

Product Categories/Family for IFN-gamma elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56786138
NCBI GeneID	3458
NCBI Accession #	NP_000610.2
NCBI GenBank Nucleotide #	NM_000619.2
Molecular Weight	19,348 Da
NCBI Official Full Name	interferon gamma
NCBI Official Synonym Full Names	interferon, gamma
NCBI Official Symbol	IFNG
NCBI Official Synonym Symbols	IFG; IFI
NCBI Protein Information	interferon gamma; IFN-gamma; immune interferon
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ifn-gamma-sheep-elisa-kits/interferon-gamma/89240>