

Human Interferon epsilon (IFNE) ELISA Kit | IFNE elisa kit

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CATALOG #
AAA245113

REACTIVITY
Human

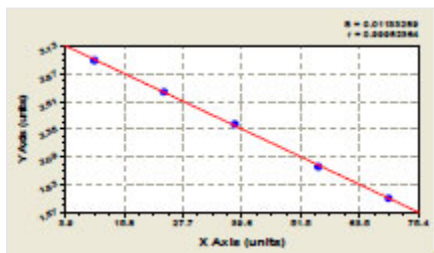
PRODUCT SYNONYMS

Interferon epsilon (IFNE); Human Interferon epsilon (IFNE) ELISA Kit; IFNE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNE elisa kit

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

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

Product Categories/Family for IFNE elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	28882045
NCBI GeneID	338376
NCBI Accession #	NP_795372.1
NCBI GenBank Nucleotide #	NM_176891.4
Molecular Weight	24,414 Da
NCBI Official Full Name	interferon epsilon
NCBI Official Synonym Full Names	interferon, epsilon
NCBI Official Symbol	IFNE
NCBI Official Synonym Symbols	IFN-E; IFNE1; IFNT1; INFE1; PRO655
NCBI Protein Information	interferon epsilon; IFN-epsilon; interferon tau-1; interferon-epsilon; interferon epsilon 1; interferon epsilon-1
UniProt Protein Name	Interferon epsilon
UniProt Gene Name	IFNE
UniProt Synonym Gene Names	IFNE1; UNQ360/PRO655; IFN-epsilon
UniProt Entry Name	IFNE_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/human-elisa-kits/interferon-epsilon-ifne/245113>