

Human Interferon lambda-3 ELISA Kit | IFNL3/IL28B elisa kit

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CATALOG #
AAA247183

REACTIVITY
Human

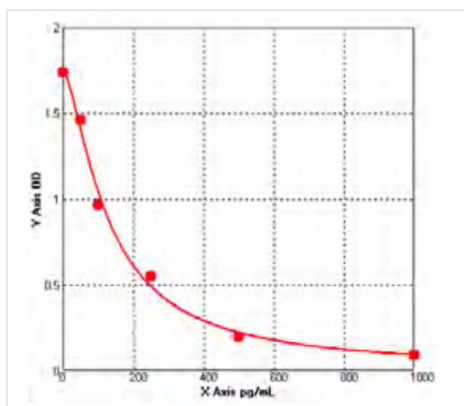
PRODUCT SYNONYMS

Interferon lambda-3; Human Interferon lambda-3 ELISA Kit; IFNL3/IL28B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IFN-lambda 3. No significant cross-reactivity or interference between IFN-lambda 3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IFN-lambda 3 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	196
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNL3/IL28B elisa kit	Principle of the Assay: IFN-lambda 3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-IFN-lambda 3 antibody and an IFN-lambda 3-HRP conjugate. The assay sample and buffer are incubated together with IFN-lambda 3-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-lambda 3 concentration since IFN-lambda 3 from samples and IFN-lambda 3-HRP conjugate compete for the anti-IFN-lambda 3 antibody binding site. Since the number of sites is limited, as more sites are occupied by IFN-lambda 3 from the sample, fewer sites are left to bind IFN-lambda 3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IFN-lambda 3 concentration in each sample is interpolated from this standard curve. Intended Uses: This IFN-lambda 3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IFN-lambda3. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28144901
NCBI GeneID	282617
NCBI Accession #	NP_742151.2
NCBI GenBank Nucleotide #	NM_172139.3
UniProt Accession #	Q8IZI9; Q6VN56; Q7Z4J3; Q8IWL6; A2BDE1
Molecular Weight	21,706 Da
NCBI Official Full Name	interferon lambda-3 isoform 2
NCBI Official Synonym Full Names	interferon lambda 3
NCBI Official Symbol	IFNL3
NCBI Official Synonym Symbols	IL28B; IL28C; IL-28B; IL-28C; IFN-lambda-3; IFN-lambda-4
NCBI Protein Information	interferon lambda-3
UniProt Protein Name	Interferon lambda-3
UniProt Gene Name	IFNL3
UniProt Synonym Gene Names	IL28B; IL28C; ZCYTO22; IFN-lambda-3; IL-28B; IL-28C

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.