

Human Interleukin 28A (IL28A) ELISA Kit | IL28A elisa kit

Human Interleukin 28A (IL28A) High Sensitive ELISA Kit

CATALOG # AAA188551	REACTIVITY Human	APPLICATIONS ELISA
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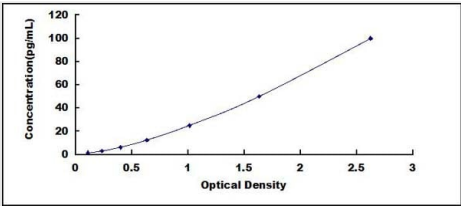
PRODUCT SYNONYMS

Interleukin 28A (IL28A); Human Interleukin 28A (IL28A) High Sensitive ELISA Kit; Interleukin 28A; IFNL2; Interferon; Lambda 2; Cytokine Zcyto20; IL28A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Interleukin 28A (IL28A). No significant cross-reactivity or interference between High Sensitive Interleukin 28A (IL28A) and analogues was observed.
Sequence Length	200
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.57pg/mL
Applicable Applications for IL28A elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Interleukin 28A (IL28A) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Interleukin 28A (IL28A) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Interleukin 28A (IL28A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Interleukin 28A (IL28A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Interleukin 28A (IL28A), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Interleukin 28A (IL28A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	26024321
NCBI GeneID	282616
NCBI Accession #	NP_742150.1
NCBI GenBank Nucleotide #	NP_742150.1
UniProt Accession #	Q8IZJ0
NCBI Official Full Name	interferon lambda-2
NCBI Official Synonym Full Names	interferon lambda 2
NCBI Official Symbol	IFNL2
NCBI Official Synonym Symbols	IL28A; IL-28A
NCBI Protein Information	interferon lambda-2
UniProt Protein Name	Interferon lambda-2
UniProt Gene Name	IFNL2
UniProt Synonym Gene Names	IL28A; ZCYTO20; IFN-lambda-2; IL-28A
UniProt Entry Name	IFNL2_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/interleukin-28a-il28a/188551>