

Human IL-28B ELISA Kit | IFNL3 elisa kit

Human IL-28B ELISA Kit

CATALOG #
AAA263052

REACTIVITY
Human

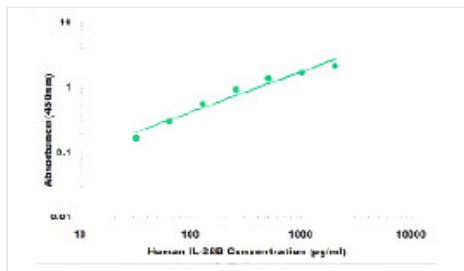
PRODUCT SYNONYMS

IL-28B; Human IL-28B ELISA Kit; IL28B; IL28C; ZCYTO22; Interferon lambda-3; IFN-lambda-3; Cytokine Zcyto22; Interleukin-28B; Interleukin-28C; IL-28C; IFNL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-28B ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-28B proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	196
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<2 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNL3 elisa kit	Principle of the Assay: The Human IL-28B ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-28B in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human IL-28B coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-28B present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-28B antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-28B bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: IL-28 belongs to the IFN lambda family, a novel family of cytokines within the IL-10 superfamily. The three members of this family are IL-29 (IFN lambda 1), IL-28A (IFN lambda 2), and IL-28B (IFN lambda 3), and are also known as the type III Interferons. An active IL-29 gene is absent in mice, and sequence homology between mouse IL-28A and B is 97%. Expression of these cytokines has been observed in a wide variety of cells in response to viral infection and in response to TLR3 or TLR9 ligands. The IFN lambda family signals through a heterodimeric receptor of which one subunit, IL-10R2, is shared with other members of the superfamily. The second subunit, IFN lambda R1 or IL-28R alpha, is unique to the IFN lambdas. Signaling occurs through the Jak/STAT pathway in a similar manner to signaling by the type I IFNs (IFN alpha/beta) and activates many of the same genes despite low sequence homology between the cytokines and receptors in the two families. Both IFN families display antiviral, antitumor, and antiproliferative effects, making the IFN lambdas potential alternatives to IFN-alpha for anticancer and antiviral therapies. Unlike the type I IFNs, which are able to stimulate most cells, response to IFN lambda stimulation appears to be limited to dendritic, epithelial, and some tumor cells. Another notable difference is the ability of the IFN lambda stimulation to drive dendritic cells towards the production of CD4+CD25+FoxP3+ regulatory T-cells, suggesting a possible immunoregulatory role.
---	---

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
UniProt Entry Name	IFNL3_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.