

Human IL-28B CLIA Kit | IL-28B clia kit

IL-28B (Human) LumiAb ELISA Kit

CATALOG #
AAA318596

REACTIVITY
Human

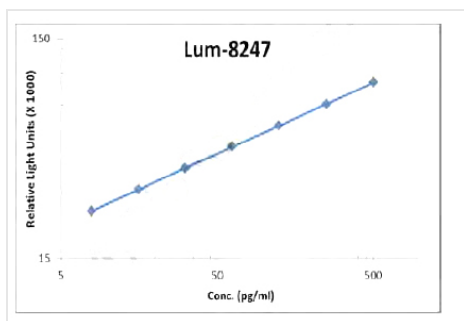
PRODUCT SYNONYMS

IL-28B; IL-28B (Human) LumiAb ELISA Kit; Human IL-28B; Interleukin-28B; CytLumine Zcyto22; Interferon lambda-3; Interferon lambda-4; Interleukin-28C; IL-28B clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human IL-23 ELISA is capable of recognizing both recombinant and naturally produced Human IL-23 proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	196
Assay Type	Quantitative Sandwich
Sensitivity	31 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-28B clia kit	Principle of the Assay: The LumiAb Human IL-23 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-23 concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human IL-23 while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. IL-23 associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine that functions in innate and adaptive immunity. IL-23 may constitute with IL-17, an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells, and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis. IL-23 forms disulfide-linked heterodimer with IL12B. The heterodimer is known as interleukin IL-23 and is secreted by activated dendritic and phagocytic cells and keratinocytes. Interleukin IL-23 is expressed by dermal Langerhans cells (at protein level), up-regulated by a wide array of pathogens and pathogen-products together with self-signals for danger or injury, and up-regulated in psoriatic dermal tissues, in dendritic cells of multiple sclerosis patients and in tumors.
Product Categories/Family for IL-28B clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	28144901
NCBI GeneID	282617
NCBI Accession #	NP_742151.2
NCBI GenBank Nucleotide #	NM_172139.3
UniProt Accession #	Q8IZI9
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.

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