

Human IL-20 CLIA Kit | IL-20 clia kit

IL-20 (Human) LumiAb ELISA Kit

CATALOG #
AAA318540

REACTIVITY
Human

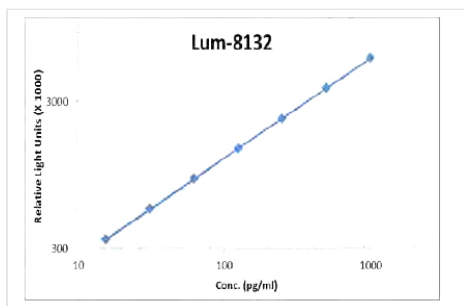
PRODUCT SYNONYMS

IL-20; IL-20 (Human) LumiAb ELISA Kit; Human IL-20; Interleukin-20; CytLumine Zcyto10; IL-20 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human IL-2 ELISA is capable of recognizing both recombinant and naturally produced Human IL-2 proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	176
Assay Type	Quantitative Sandwich
Sensitivity	15 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-20 clia kit	Principle of the Assay: The LumiAb Human IL-2 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-2 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-2 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: Human IL-2 or Interleukin-2, also known as T-cell Growth Factor, is a 153 amino acid cytokine protein that is necessary for the proliferation of B-and T-lymphocytes. After initial synthesis of the protein, it is proteolytically cleaved by proteases to remove the 20 residue signal sequence from the IL-2 peptide, allowing for proper folding and maturation. Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for the activities crucial to the regulation of the immune response and has the ability to stimulate other B-cells, monocytes, lymphokine-activated killer cells, natural killer cells and glioma cells. The receptor for this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by IL-4 and IL-7. Expression of the IL2 gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. Moreover, the targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.
Product Categories/Family for IL-20 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	31083166
NCBI GeneID	50604
NCBI Accession #	NP_061194.2
NCBI GenBank Nucleotide #	NM_018724.3
UniProt Accession #	Q9NYY1
NCBI Official Full Name	interleukin-20
NCBI Official Synonym Full Names	interleukin 20
NCBI Official Symbol	IL20
NCBI Official Synonym Symbols	IL-20; IL10D; ZCYTO10
NCBI Protein Information	interleukin-20
UniProt Protein Name	Interleukin-20
UniProt Gene Name	IL20
UniProt Synonym Gene Names	ZCYTO10; IL-20
UniProt Entry Name	IL20_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.