

Human IL-21 CLIA Kit | IL-21 clia kit

IL-21 (Human) LumiAb ELISA Kit

CATALOG #
AAA318541

REACTIVITY
Human

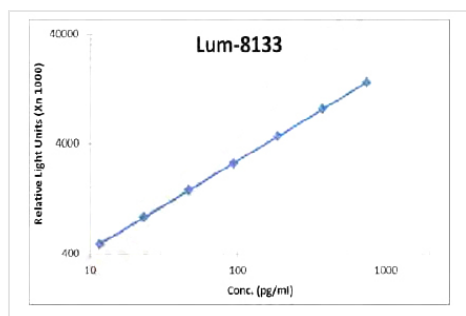
PRODUCT SYNONYMS

IL-21; IL-21 (Human) LumiAb ELISA Kit; Human IL-21; Interleukin-21; Za11; IL-21 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human IL-20 ELISA is capable of recognizing both recombinant and naturally produced Human IL-20 proteins. The antigens listed below were tested at 50 ng/ml and exhibited less than 1% cross reactivity.
Sequence Length	153
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-21 clia kit	Principle of the Assay: The LumiAb Human IL-20 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-20 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-20 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-20 or Interleukin-20, also known as Cytokine Zcyto10, is a 176 amino acid cytokine protein expressed from the IL20 gene located at locus 1q32 on chromosome 1. After initial synthesis of the protein, it undergoes proteolytic cleavage where the 24 residue signal sequence is cleaved, allowing for the proper folding and maturation of the IL-20 cytokine. Recent studies have determined that IL-20, belonging to the IL-10 family, may be involved in epidermal function and psoriasis via signal transduction through Signal Transducer and Activator of Transcription 3 (STAT3) in keratinocytes. It is expressed at very low levels in skin, trachea and other tissues.
Product Categories/Family for IL-21 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	333033767
NCBI GeneID	59067
NCBI Accession #	NP_001193935.1
NCBI GenBank Nucleotide #	NM_001207006.2
UniProt Accession #	Q9HBE4
NCBI Official Full Name	interleukin-21 isoform 2
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	Za11; IL-21; CVID11
NCBI Protein Information	interleukin-21
UniProt Protein Name	Interleukin-21
UniProt Gene Name	IL21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_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.