

Human IL-17F CLIA Kit | IL-17F clia kit

IL-17F (Human) LumiAb ELISA Kit

CATALOG #
AAA318537

REACTIVITY
Human

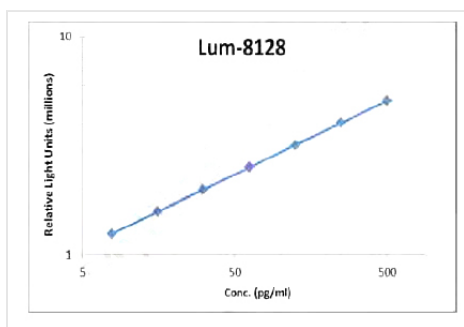
PRODUCT SYNONYMS

IL-17F; IL-17F (Human) LumiAb ELISA Kit; Human IL-17F; Interleukin-17F; CytLumine ML-1; Interleukin-24; IL-17F clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human IL-17E ELISA is capable of recognizing both recombinant and naturally produced Human IL-17E proteins. The antigens listed below were tested at 50 ng/ml and exhibited less than 1% cross reactivity.
Sequence Length	163
Assay Type	Quantitative Sandwich
Sensitivity	4 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-17F clia kit	Principle of the Assay: The LumiAb Human IL-17E Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-17E 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-17E 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-17E or IL-25 is a cytokine that shares sequence similarity with IL-17, induces activation of NF-kappaB while also stimulating the production of proinflammatory chemokine IL-8, and favors Th2-type immune responses. The cytokine itself is expressed at low levels in several tissues, including brain, kidney, lung, prostate, testis, spinal cord, adrenal gland and trachea. Encoded by the IL25 gene located at locus 14q11.2 on chromosome 14, IL-17E and IL-17B are both ligands for the cytokine receptor, IL17BR. After initial synthesis of the protein, the IL-17E preprotein undergoes proteolytic processing and cleavage, forming the 32 residue signal sequence along with the actual 145 IL-17E peptide that is then allowed to fold and mature.
Product Categories/Family for IL-17F clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418375
NCBI GeneID	112744
NCBI Accession #	NP_443104.1
NCBI GenBank Nucleotide #	NM_052872.3
UniProt Accession #	Q96PD4
NCBI Official Full Name	interleukin-17F
NCBI Official Synonym Full Names	interleukin 17F
NCBI Official Symbol	IL17F
NCBI Official Synonym Symbols	ML1; ML-1; CANDF6; IL-17F
NCBI Protein Information	interleukin-17F
UniProt Protein Name	Interleukin-17F
UniProt Gene Name	IL17F
UniProt Synonym Gene Names	IL-17F
UniProt Entry Name	IL17F_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.