

Mouse IL-1beta CLIA Kit | IL-1beta clia kit

IL-1beta (Murine) LumiAb ELISA Kit

CATALOG #
AAA318570

REACTIVITY
Mouse

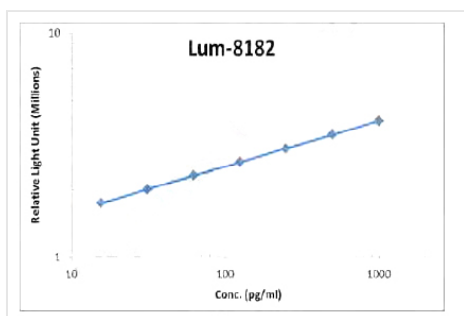
PRODUCT SYNONYMS

IL-1beta; IL-1beta (Murine) LumiAb ELISA Kit; Murine IL-1beta; Interleukin-1 beta; IL-1beta clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine IL-13 ELISA is capable of recognizing both recombinant and naturally produced Murine IL-13 proteins. The antigens listed below were tested at 50 ng/ml and exhibited less than 1% cross reactivity.
Sequence Length	269
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-1beta clia kit	Principle of the Assay: The LumiAb Murine IL-13 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine IL-13 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 Murine IL-13 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: Murine IL-13, also known as Interleukin-13 or T-Cell Activation Protein P600, is a 131 amino acid cytokine protein expressed on chromosome 11. After initial synthesis of the protein, the 21 residue signal sequence on the N-terminal region is cleaved, allowing the 110 residue IL-13 peptide to properly fold and mature. Murine IL-13 is believed to inhibit inflammatory cytokine production. It synergizes with IL-2 in regulating IFN-gamma synthesis and may be critical in regulating inflammatory and immune responses. Belonging to the IL-4/IL-13 family, IL-13 is known to interact with IL13RA2.
Product Categories/Family for IL-1beta clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1
NCBI GenBank Nucleotide #	NM_008361.4
UniProt Accession #	P10749
NCBI Official Full Name	interleukin-1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1b
NCBI Official Synonym Symbols	IL-1b; IL-1beta
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1b
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_MOUSE

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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Online datasheet: <https://stage.aaabiotech.com/mouse-clia-kits/il-1beta/318570>