

Mouse IL-33 CLIA Kit | IL-33 clia kit

IL-33 (Murine) LumiAb ELISA Kit

CATALOG #
AAA318600

REACTIVITY
Mouse

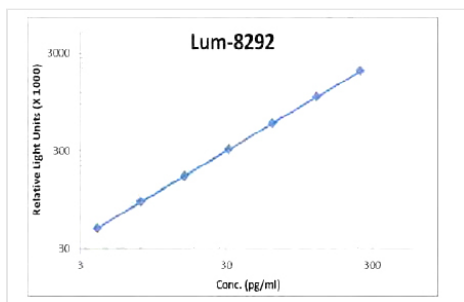
PRODUCT SYNONYMS

IL-33; IL-33 (Murine) LumiAb ELISA Kit; Murine IL-33; Interleukin-33; IL-33 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine IL-3 ELISA is capable of recognizing both recombinant and naturally produced Murine IL-3 proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	266
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-33 clia kit	Principle of the Assay: The LumiAb Murine IL-3 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine IL-3 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-3 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-3 or Interleukin-3, also known as Hematopoietic Growth Factor or Multipotential Colony-Stimulating Factor, is a 166 amino acid cytokine protein expressed from chromosome 11. After initial synthesis and translocation, the 26 residue signal sequence is cleaved, allowing the 140 residue IL-3 peptide to properly fold and mature. Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. IL-3, a monomeric CSF, induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes. Belonging to the IL-3 family, IL-3 is expressed in activated T-cells, mast cells and NK cells.
Product Categories/Family for IL-33 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	257900495
NCBI GeneID	77125
NCBI Accession #	NP_001158196.1
NCBI GenBank Nucleotide #	NM_001164724.2
UniProt Accession #	Q8BVZ5
NCBI Official Full Name	interleukin-33
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	IL-33; IL1f11; NF-HEV; 9230117N10Rik
NCBI Protein Information	interleukin-33
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	IL-33
UniProt Entry Name	IL33_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.