

Mouse IL-13 CLIA Kit | IL-13 clia kit

IL-13 (Murine) LumiAb ELISA Kit

CATALOG #
AAA318569

REACTIVITY
Mouse

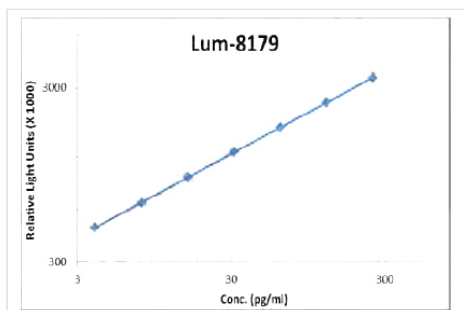
PRODUCT SYNONYMS

IL-13; IL-13 (Murine) LumiAb ELISA Kit; Murine IL-13; Interleukin-13; T-cell activation protein P600; IL-13 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine G-CSF ELISA is capable of recognizing both recombinant and naturally produced Murine G-CSF proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	131
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-13 clia kit	Principle of the Assay: The LumiAb Murine G-CSF Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine G-CSF 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 G-CSF 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 G-CSF, also known as Granulocyte Colony-Stimulating Factor, is a 208 amino acid cytokine protein encoded by the Csf3 gene located at chromosome 11. After initial synthesis and translocation, the 30 residue signal sequence is cleaved from the N-terminal region, allowing the 178 residue G-CSF peptide to fold properly into its mature form. Granulocyte or 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. Belonging to the IL-6 superfamily, monomeric G-CSF has the ability to induce granulocytes.
Product Categories/Family for IL-13 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680403
NCBI GeneID	16163
NCBI Accession #	NP_032381.1
NCBI GenBank Nucleotide #	NM_008355.3
UniProt Accession #	P20109
NCBI Official Full Name	interleukin-13
NCBI Official Synonym Full Names	interleukin 13
NCBI Official Symbol	IL13
NCBI Official Synonym Symbols	IL-13
NCBI Protein Information	interleukin-13
UniProt Protein Name	Interleukin-13
UniProt Gene Name	IL13
UniProt Synonym Gene Names	IL-13; IL-13
UniProt Entry Name	IL13_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.