

Mouse SCF CLIA Kit | SCF clia kit

SCF (Murine) LumiAb ELISA Kit

CATALOG #
AAA318580

REACTIVITY
Mouse

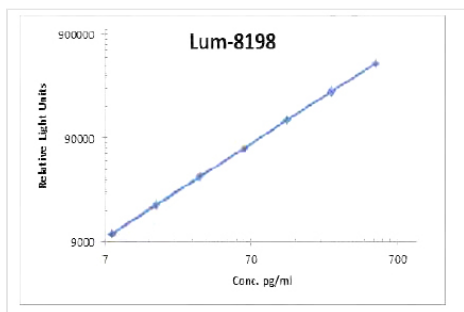
PRODUCT SYNONYMS

SCF; SCF (Murine) LumiAb ELISA Kit; Murine SCF; Kit ligand; Hematopoietic growth factor KL; Mast cell growth factor; Steel factor; Stem cell factor; MGF; c-Kit ligand; Kitl; Mgf; Sl; Slf; SCF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine MIP-2 ELISA is capable of recognizing both recombinant and naturally produced Murine MIP-2 proteins. The antigens listed below were tested at 50 ng/ml and exhibited less than 1% cross reactivity.
Sequence Length	273
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 SCF clia kit	Principle of the Assay: The LumiAb Murine MIP-2 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine MIP-2 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 MIP-2 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 MIP-2 or Macrophage Inflammatory Protein 2, also known as C-X-C Motif Chemokine 2, is a 100 amino acid cytokine protein expressed from the Cxcl2 gene located on chromosome 5. After initial synthesis and translocation, the 27 residue signal sequence is cleaved, allowing MIP-2 to fold properly. MIP-2, a homotetramer of the intercrine alpha (chemokine C-X-C) family is essentially chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst.
Product Categories/Family for SCF clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305267
NCBI GeneID	17311
NCBI Accession #	NP_038626.1
NCBI GenBank Nucleotide #	NM_013598.3
UniProt Accession #	P20826
NCBI Official Full Name	kit ligand isoform 1
NCBI Official Synonym Full Names	kit ligand
NCBI Official Symbol	Kitl
NCBI Official Synonym Symbols	Gb; SF; SI; Clo; Con; Mgf; SCF; SLF; blz; Kitlg; contrasted
NCBI Protein Information	kit ligand
UniProt Protein Name	Kit ligand
UniProt Gene Name	Kitlg
UniProt Synonym Gene Names	Kitl; Mgf; SI; Sif; MGF; SCF; sKITLG
UniProt Entry Name	SCF_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-clia-kits/scf/318580>