

Mouse KC CLIA Kit | KC clia kit

KC (Murine) LumiAb ELISA Kit

CATALOG #
AAA318575

REACTIVITY
Mouse

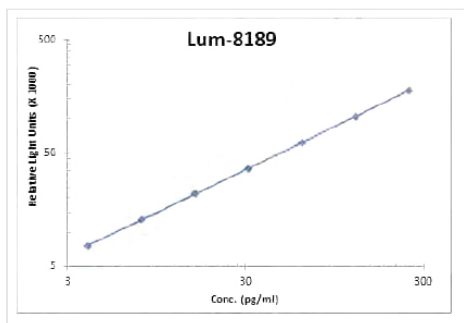
PRODUCT SYNONYMS

KC; KC (Murine) LumiAb ELISA Kit; Murine KC; Growth-regulated alpha protein; C-X-C motif chemLumine 1; Platelet-derived growth factor-inducible protein KC; Secretory protein N51; KC clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine JE/MCP-1 ELISA is capable of recognizing both recombinant and naturally produced Murine JE/MCP-1 proteins. The antigens listed below were tested at 50 ng/ml and exhibited 100% cross reactivity.
Sequence Length	96
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 KC clia kit	Principle of the Assay: The LumiAb Murine JE/MCP-1 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine JE/MCP-1 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 JE/MCP-1 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 JE/MCP-1 or Monocyte Chemotactic Protein 1, mainly known as C-C Motif Chemokine 2, is a 148 amino acid cytokine protein expressed from chromosome 11. After initial synthesis and translocation, the 23 residue signal sequence is cleaved, allowing the 125 residue JE/MCP-1 peptide to properly fold and mature. Belonging to the intercrine beta (chemokine C-C) family, the monomeric and homodimeric JE/MCP-1 proteins function as chemotactic factors that attract monocytes, but not neutrophils. Furthermore, they are typically induced by platelet-derived growth factors (PDGF).
Product Categories/Family for KC clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680109
NCBI GeneID	14825
NCBI Accession #	NP_032202.1
NCBI GenBank Nucleotide #	NM_008176.3
UniProt Accession #	P12850
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1
NCBI Official Symbol	Cxcl1
NCBI Official Synonym Symbols	KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1
NCBI Protein Information	growth-regulated alpha protein
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	Cxcl1
UniProt Synonym Gene Names	Gro; Gro1; Mgsa; Scyb1; HSF
UniProt Entry Name	GROA_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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