

Mouse MIP-2 ELISA Kit | MIP-2 elisa kit

Mouse MIP-2 ELISA KIT

CATALOG #
AAA309902

REACTIVITY
Mouse

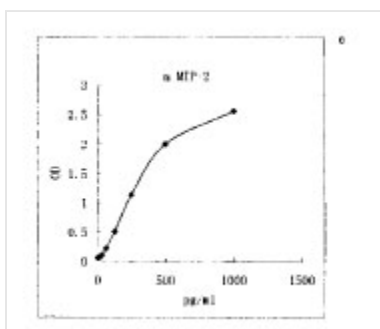
PRODUCT SYNONYMS

MIP-2; Mouse MIP-2 ELISA KIT; Mouse MIP-2; MIP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes both natural and recombinant mouse MIP-2. The factors listed below were prepared at 50ng/ml in Standard Isample Diluent and assayed for cross-reactivity and no significant cross-reactivity or interference was observed.
Samples	Cell culture supernates, serum, and plasma
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml - 1000 pg/ml
Sensitivity	7pg/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIP-2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for MIP-2 has been pre-coated onto a microplate. Standards and samples are pipeltd into the wells and any MIP-2 present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for MIP-2 is added to the wells and binds to the combination of capture antibody-MIP-2 in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps a substrate is added. A coloured product is formed in proportion to the amount of MIP-2 present in the sample. The reaction is terminated by addition of acid and absorbance is measured at 450nm. A standard curve is prepared from seven MIP-2 standard dilutions and MIP-2 sample concentration determined. Background/Introduction: Mouse macrophage inflammatory protein-2 (MIP-2), also known as CXCL2, was originally identified as a heparin-binding protein secreted by an LPS-stimulated mouse macrophage cell line (1). A cDNA clone encoding the protein was isolated from this cell line and characterized (2). Based on its protein and DNA sequences, mouse MIP-2 was classified as a member of the alpha (CXC) chemokine family of inflammatory and immunoregulatory cytokines (3). Mouse MIP-2 cDNA encodes a 100 amino acid residue precursor protein from which the amino-terminal 27 amino acid residues are cleaved to generate the mature mouse MIP-2. The protein sequence of mouse MIP-2 shows approximately 63% identity to that of mouse KC, another mouse alpha chemokine. Mouse MIP-2 is also 60% identical to human GRO and GRO (2). Based on these protein sequence similarities, it is likely that mouse KC and MIP-2 are homologs of human GRO, and chemokines. Since chemokines with protein sequence homology to human IL-8 have not been identified in mice, it has been suggested that the mouse KC and MIP-2 are functional homologs of human IL-8 in mice (3, 4). A putative mouse homolog of the human IL-8 receptor beta (IL-8 R) has also been cloned. This receptor shows 71% identity to human IL-8 R and 68% identity to human IL-8 R . Both mouse KC and MIP-2 bind mouse IL-8 R with high affinity (5). Like human IL-8, mouse MIP-2 exhibits potent neutrophil chemotactic activity and may be a key mediator of neutrophil recruitment in response to tissue injury and infection (3, 4). Increased MIP-2 expression has been found to be associated with neutrophil influx in various inflammatory conditions (6 - 10).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	298582
NCBI Official Full Name	macrophage inflammatory protein 2, MIP-2 {N-terminal}

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-elisa-kits/mip-2/309902>