

Human Macrophage Inflammatory Protein 1 Alpha (MIP1a) ELISA Kit | MIP1a elisa kit

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CATALOG #
AAA136971

REACTIVITY
Human

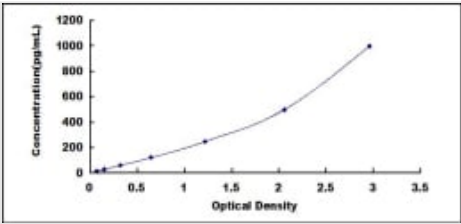
PRODUCT SYNONYMS

Macrophage Inflammatory Protein 1 Alpha (MIP1a); Human Macrophage Inflammatory Protein 1 Alpha (MIP1a) ELISA Kit; CCL3; MIP1-A; SCYA3; Chemokine C-C-Motif Ligand 3; Small Inducible Cytokine A3; Homologous To Mouse Mip-1a; Tonsillar Lymphocyte LD78 Alpha Protein; MIP1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Macrophage Inflammatory Protein 1 Alpha (MIP1a). No significant cross-reactivity or interference between Macrophage Inflammatory Protein 1 Alpha (MIP1a) and analogues was observed.
Sequence Length	70
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Macrophage Inflammatory Protein 1 Alpha (MIP1a) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Macrophage Inflammatory Protein 1 Alpha (MIP1a) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIP1a elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Macrophage Inflammatory Protein 1 Alpha (MIP1a). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Macrophage Inflammatory Protein 1 Alpha (MIP1a). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Macrophage Inflammatory Protein 1 Alpha (MIP1a), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Macrophage Inflammatory Protein 1 Alpha (MIP1a) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MIP1a elisa kit	Cytokine; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	2905628
NCBI GeneID	6348
UniProt Accession #	P10147
Molecular Weight	10,085 Da
NCBI Official Full Name	macrophage inflammatory protein 1 alpha, partial
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 3
NCBI Official Symbol	CCL3
NCBI Official Synonym Symbols	MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha
NCBI Protein Information	C-C motif chemokine 3
UniProt Protein Name	C-C motif chemokine 3
UniProt Gene Name	CCL3
UniProt Synonym Gene Names	G0S19-1; MIP1A; SCYA3; MIP-1-alpha
UniProt Entry Name	CCL3_HUMAN

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.