

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

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CATALOG #
AAA68238

REACTIVITY
Bovine

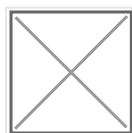
PRODUCT SYNONYMS

Macrophage Inflammatory Protein 1 Alpha (MIP1a); Bovine Macrophage Inflammatory Protein 1 Alpha (MIP1a) ELISA Kit; MIP1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of MIP1a. No significant cross-reactivity or interference between MIP1a and analogues was observed.
Sequence Length	93
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	7.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MIP1a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MIP1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIP1a elisa kit

Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MIP1a in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MIP1a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 MIP1a in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806231
NCBI GeneID	282170
NCBI Accession #	NP_776936.1
NCBI GenBank Nucleotide #	NM_174511.2
UniProt Accession #	Q8SQA6
Molecular Weight	10,118 Da
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Symbol	CCL3
NCBI Official Synonym Symbols	CCL3L1
NCBI Protein Information	C-C motif chemokine 3
UniProt Protein Name	C-C motif chemokine 3
UniProt Gene Name	CCL3
UniProt Synonym Gene Names	SCYA3; MIP-1-alpha

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/bovine-ovine-elisa-kits/macrophage-inflammatory-protein-1-alpha-mip1a/68238>