

Rat MITF (Microphthalmia Associated Transcription Factor) ELISA Kit | MITF elisa kit

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CATALOG #
AAA277782

REACTIVITY
Rat

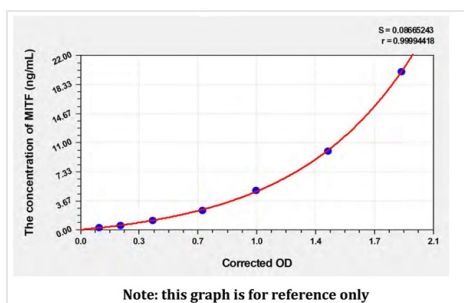
PRODUCT SYNONYMS

MITF (Microphthalmia Associated Transcription Factor); Rat MITF (Microphthalmia Associated Transcription Factor) ELISA Kit; WS2A; MI; bHLHe32; Homolog Of Mouse Microphthalmia; Class E basic helix-loop-helix protein 32; MITF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat MITF. No significant cross-reactivity or interference between Rat MITF and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.17 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MITF elisa kit

Principle of the Assay: 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 Rat MITF. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat MITF. 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 Rat MITF, 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 Rat MITF in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3319231
NCBI GeneID	25094
UniProt Accession #	O88368
Molecular Weight	52-56kD doublet
NCBI Official Full Name	microphthalmia associated transcription factor
NCBI Official Synonym Full Names	microphthalmia-associated transcription factor
NCBI Official Symbol	Mitf
NCBI Protein Information	microphthalmia-associated transcription factor
UniProt Protein Name	Microphthalmia-associated transcription factor
UniProt Gene Name	Mitf
UniProt Entry Name	MITF_RAT

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://www.aaabiotech.com/rat-elisa-kits/mitf-microphthalmia-associated-transcription-factor/277782>