

Mouse Acid Phosphatase 5, Tartrate Resistant (ACP5) ELISA Kit | ACP5 elisa kit

Mini Samples Mouse Acid Phosphatase 5, Tartrate Resistant (ACP5) ELISA Kit

CATALOG #
AAA148486

REACTIVITY
Mouse

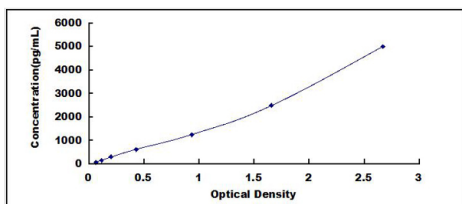
PRODUCT SYNONYMS

Acid Phosphatase 5; Tartrate Resistant (ACP5); Mini Samples Mouse Acid Phosphatase 5; Tartrate Resistant (ACP5) ELISA Kit; TRAP; TrATPase; Tartrate Resistant Acid Phosphatase; Type 5 acid phosphatase; ACP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5). No significant cross-reactivity or interference between Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5) and analogues was observed.
Sequence Length	327
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	31pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5) 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 ACP5 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 Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5). 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 Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5), 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 Mini Samples Acid Phosphatase 5, Tartrate Resistant (ACP5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ACP5 elisa kit	Enzyme & Kinase; Metabolic pathway; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	156151433
NCBI GeneID	11433
NCBI Accession #	NP_001095874.1
NCBI GenBank Nucleotide #	NM_001102404.1
UniProt Accession #	Q05117
Molecular Weight	36,807 Da
NCBI Official Full Name	tartrate-resistant acid phosphatase type 5
NCBI Official Synonym Full Names	acid phosphatase 5, tartrate resistant
NCBI Official Symbol	Acp5
NCBI Official Synonym Symbols	TRAP; TRACP
NCBI Protein Information	tartrate-resistant acid phosphatase type 5
UniProt Protein Name	Tartrate-resistant acid phosphatase type 5
UniProt Gene Name	Acp5
UniProt Synonym Gene Names	T5ap; Trap; TR-AP; TrATPase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/acid-phosphatase-5-tartrate-resistant-acp5/148486>