

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

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CATALOG #
AAA22985

REACTIVITY
Mouse

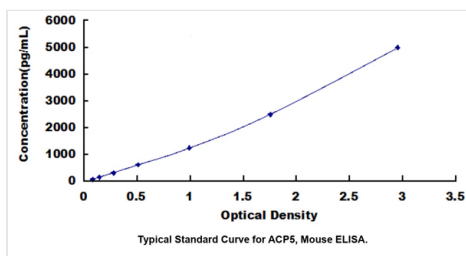
PRODUCT SYNONYMS

Acid Phosphatase 5; Tartrate Resistant (ACP5); 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 ACP5. No significant cross-reactivity or interference between ACP5 and analogues was observed.
Sequence Length	325
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 32pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACP5 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 ACP5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACP5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 ACP5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACP5 in mouse serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83405786
NCBI GeneID	54
UniProt Accession #	P13686; Q2TAB1; Q6IAS6; Q9UCJ5; Q9UCJ6; Q9UCJ7; A8K3V2
Molecular Weight	36,599 Da
NCBI Official Full Name	Acid phosphatase 5, tartrate resistant
NCBI Official Synonym Full Names	acid phosphatase 5, tartrate resistant
NCBI Official Symbol	ACP5
NCBI Official Synonym Symbols	HPAP; TRAP; TRACP5a; TRACP5b; TrATPase
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	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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/acid-phosphatase-5-tartrate-resistant-acp5/22985>