

Human Acid Phosphatase 2, Lysosomal (ACP2) ELISA Kit | ACP2 elisa kit

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CATALOG #
AAA66160

REACTIVITY
Human

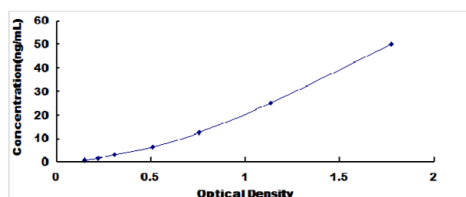
PRODUCT SYNONYMS

Acid Phosphatase 2; Lysosomal (ACP2); Human Acid Phosphatase 2; Lysosomal (ACP2) ELISA Kit; LAP Lysosomal Acid Phosphatase; ACP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACP2. No significant cross-reactivity or interference between ACP2 and analogues was observed.
Sequence Length	395
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50U/L
Sensitivity	0.42U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACP2 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 ACP2 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 ACP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACP2 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ACP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ACP2. 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 ACP2, 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 ACP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	699964207
NCBI GeneID	53
NCBI Accession #	NP_001289418.1
NCBI GenBank Nucleotide #	NM_001302489.1
UniProt Accession #	P11117; Q561W5; Q9BTU7; E9PCI1
Molecular Weight	18,417 Da
NCBI Official Full Name	lysosomal acid phosphatase isoform 3
NCBI Official Synonym Full Names	acid phosphatase 2, lysosomal
NCBI Official Symbol	ACP2
NCBI Official Synonym Symbols	LAP
NCBI Protein Information	lysosomal acid phosphatase
UniProt Protein Name	Lysosomal acid phosphatase
UniProt Gene Name	ACP2
UniProt Synonym Gene Names	LAP

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.