

Human acid phosphatase 5, tartrate resistant ELISA Kit | ACP5 elisa kit

Human tartrate-resistant acid phosphatase 5b, TRACP-5b ELISA Kit

CATALOG #
AAA15644

REACTIVITY
Human

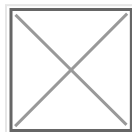
PRODUCT SYNONYMS

acid phosphatase 5; tartrate resistant; Human tartrate-resistant acid phosphatase 5b; TRACP-5b ELISA Kit; MGC117378; TRAP; TrATPase; tartrate resistant acid phosphatase 5; tartrate-resistant acid ATPase; ACP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TRACP-5b. No significant cross-reactivity or interference between human TRACP-5b and analogues was observed.
Sequence Length	325
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 mIU/ml-20 mIU/ml
Sensitivity	< 0.078 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACP5 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TRACP-5b has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRACP-5b present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRACP-5b is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TRACP-5b bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	161377451
NCBI GeneID	54
NCBI Accession #	NP_001104504.1
NCBI GenBank Nucleotide #	NM_001111034.1
UniProt Accession #	P13686; Q2TAB1; Q6IAS6; Q9UCJ5; Q9UCJ6; Q9UCJ7; A8K3V2
Molecular Weight	36,599 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; SPENCDI
NCBI Protein Information	tartrate-resistant acid phosphatase type 5; TrATPase; tartrate-resistant acid ATPase
UniProt Protein Name	Tartrate-resistant acid phosphatase type 5
UniProt Gene Name	ACP5
UniProt Synonym Gene Names	TR-AP; TrATPase
UniProt Entry Name	PPA5_HUMAN

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/acp5-human-elisa-kits/acid-phosphatase-5-tartrate-resistant/15644>