

Human Acid Phosphatase 5, TartRate Resistant ELISA Kit | ACP5 elisa kit

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CATALOG #
AAA87338

REACTIVITY
Human

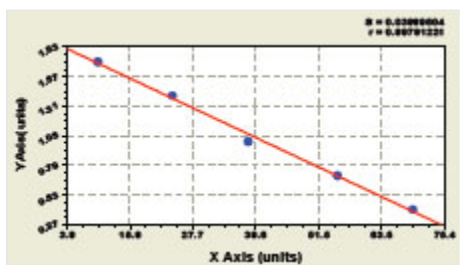
PRODUCT SYNONYMS

Acid Phosphatase 5; TartRate Resistant; Human Acid Phosphatase 5; TartRate Resistant ELISA Kit; ACP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACP5 elisa kit

Intended Uses: This TRACP5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TRACP5. This ELISA kit for research use only!

Principle of the Assay||TRACP5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TRACP5 antibody and an TRACP5-HRP conjugate. The assay sample and buffer are incubated together with TRACP5-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TRACP5 concentration since TRACP5 from samples and TRACP5-HRP conjugate compete for the anti-TRACP5 antibody binding site. Since the number of sites is limited, as more sites are occupied by TRACP5 from the sample, fewer sites are left to bind TRACP5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TRACP5 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ACP5 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146273
NCBI GeneID	54
UniProt Accession #	P13686; Q2TAB1; Q6IAS6; Q9UCJ5; Q9UCJ6; Q9UCJ7; A8K3V2
Molecular Weight	36,599 Da
NCBI Official Full Name	ACP5
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/87338>