

Human ACP5 ELISA Kit | ACP5 elisa kit

Human ACP5 ELISA Kit PicoKine

CATALOG # AAA126686	REACTIVITY Human	APPLICATIONS ELISA
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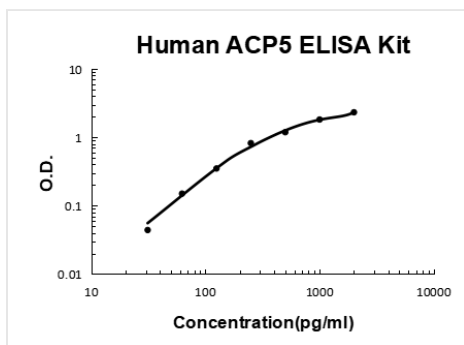
PRODUCT SYNONYMS

ACP5; Human ACP5 ELISA Kit PicoKine; ACP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ACP5
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for ACP5 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human ACP5 PicoKine ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for ACP5 elisa kit	Background: Tartrate-resistant acid phosphatase (TRAP or TRAPase), also called acid phosphatase 5, tartrate resistant (ACP5), is a glycosylated monomeric metalloprotein enzyme expressed in mammals. This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. Principle of the Assay: The Picokine™ Human ACP5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ACP5 with a 96-well strip plate that is pre-coated with antibody specific for ACP5. The detection antibody is a biotinylated antibody specific for ACP5. The capture antibody is monoclonal antibody from mouse and the detection antibody is biotinylated polyclonal antibody from goat. The kit includes Human ACP5 protein as standards. To measure Human ACP5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ACP5 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ACP5 in the sample.
Product Categories/Family for ACP5 elisa kit	PicoKine ELISA Kits

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.