

Acid Phosphatase 5, TartRat e Resistant ELISA Kit | ACP5 elisa kit

Rat Acid Phosphatase 5, TartRat e Resistant ELISA Kit

CATALOG #
AAA82177

REACTIVITY
Rat

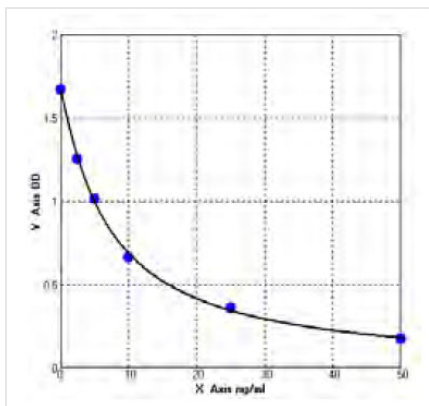
PRODUCT SYNONYMS

Acid Phosphatase 5; TartRat e Resistant; Rat Acid Phosphatase 5; TartRat e Resistant ELISA Kit; ACP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TRACP5. No significant cross-reactivity or interference between TRACP5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TRACP5 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/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 Rat TRACP5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TRACP5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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://www.aaabiotech.com/acp5-rat-elisa-kits/acid-phosphatase-5-tartrat-e-resistant/82177>