

Human Tartrate Resistant Acid Phosphatase ELISA Kit | TRAP elisa kit

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CATALOG #
AAA94315

REACTIVITY
Human

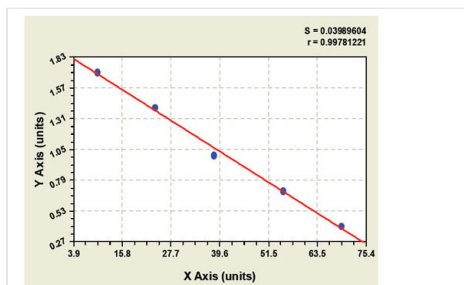
PRODUCT SYNONYMS

Tartrate Resistant Acid Phosphatase; Human Tartrate Resistant Acid Phosphatase ELISA Kit; TRAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This TRAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TRAP. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRAP elisa kit

Principle of the Assay: TRAP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TRAP antibody and a TRAP-HRP conjugate. The assay sample and buffer are incubated together with TRAP-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 TRAP concentration since TRAP from samples and TRAP-HRP conjugate compete for the anti-TRAP antibody binding site. Since the number of sites is limited, as more sites are occupied by TRAP from the sample, fewer sites are left to bind TRAP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TRAP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TRAP elisa kit

Immunology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/trap-human-elisa-kits/tartrate-resistant-acid-phosphatase/94315>