

Human alkaline phosphatase, placental (Regan isozyme) ELISA Kit | ALPP elisa kit

Human Placental alkaline pksphatase, PLAP ELISA Kit

CATALOG #
AAA15257

REACTIVITY
Human

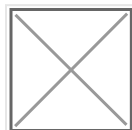
PRODUCT SYNONYMS

alkaline phosphatase; placental (Regan isozyme); Human Placental alkaline pksphatase; PLAP ELISA Kit; ALP; FLJ61142; PALP; PLAP; alkaline phosphomonoesterase; glycerophosphatase; placental alkaline phosphatase; ALPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PLAP. No significant cross-reactivity or interference between human PLAP and analogues was observed.
Sequence Length	535
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	84 pg/ml-2000 pg/ml
Sensitivity	< 34 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<10%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. 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 ALPP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PLAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for PLAP. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PLAP bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	Placenta-derived exosomes continuously increase in maternal circulation over the first trimester of pregnancy. Suchismita Sarker, Katherin Scholz-Romero, Alejandra Perez, Sebastian E Illanes, Murray D Mitchell, Gregory E Rice and Carlos Salomon (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721246
NCBI GeneID	250
NCBI Accession #	NP_001623.3
NCBI GenBank Nucleotide #	NM_001632.3
UniProt Accession #	P05187; P05188; P06861; Q53S78; Q96DB7
Molecular Weight	57,954 Da
NCBI Official Full Name	alkaline phosphatase, placental type preproprotein
NCBI Official Synonym Full Names	alkaline phosphatase, placental
NCBI Official Symbol	ALPP
NCBI Official Synonym Symbols	ALP; PALP; PLAP; PLAP-1
NCBI Protein Information	alkaline phosphatase, placental type; Regan isozyme; glycerophosphatase; alkaline phosphomonoesterase; placental alkaline phosphatase 1; alkaline phosphatase Regan isozyme
UniProt Protein Name	Alkaline phosphatase, placental type
UniProt Gene Name	ALPP
UniProt Synonym Gene Names	PLAP; PLAP-1
UniProt Entry Name	PPB1_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/alpp-human-elisa-kits/alkaline-phosphatase-placental-regan-isozyme/15257>