

Human Perilipin 3 (PLIN3) RTU ELISA Kit | PLIN3 rtu elisa kit

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CATALOG #
AAA217883

REACTIVITY
Human

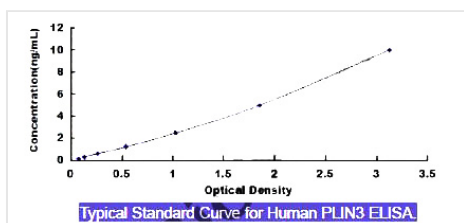
PRODUCT SYNONYMS

Perilipin 3 (PLIN3); Human Perilipin 3 (PLIN3) ELISA Kit; M6PRBP1; TIP47; PP17; Mannose-6-Phosphate Receptor Binding Protein 1; Placental Protein 17; 47 kDa mannose 6-phosphate receptor-binding protein; Cargo selection TIP47; PLIN3 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLIN3. No significant cross-reactivity or interference between PLIN3 and analogues was observed.
Sequence Length	433
Samples	Human tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLIN3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLIN3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLIN3 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PLIN3 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLIN3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLIN3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PLIN3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PLIN3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255958289
NCBI GeneID	10226
NCBI Accession #	NP_001157661.1
NCBI GenBank Nucleotide #	NM_001164189.1
UniProt Accession #	O60664; Q53G77; Q9BS03; Q9UBD7; Q9UP92; A8K4Y9; K7EQF4
Molecular Weight	45,803 Da
NCBI Official Full Name	perilipin-3 isoform 2
NCBI Official Synonym Full Names	perilipin 3
NCBI Official Symbol	PLIN3
NCBI Official Synonym Symbols	PP17; TIP47; M6PRBP1
NCBI Protein Information	perilipin-3
UniProt Protein Name	Perilipin-3
UniProt Gene Name	PLIN3
UniProt Synonym Gene Names	M6PRBP1; TIP47; 47 kDa MPR-binding protein; PP17

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.