

Human PLAC8 (Placenta-specific gene 8 protein) ELISA Kit | PLAC8 elisa kit

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CATALOG #
AAA248781

REACTIVITY
Human

PRODUCT SYNONYMS

PLAC8 (Placenta-specific gene 8 protein); Human PLAC8 (Placenta-specific gene 8 protein) ELISA Kit; PLAC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLAC8. No significant cross-reactivity or interference between PLAC8 and analogues was observed.
Sequence Length	115
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLAC8 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLAC8 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a PLAC8 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.0	0.061	0.159	0.264	0.536	0.892	1.514	2.208

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAC8 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PLAC8 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PLAC8 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PLAC8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PLAC8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195222740
NCBI GeneID	51316
NCBI Accession #	NP_001124188.1
NCBI GenBank Nucleotide #	NM_001130716.1
UniProt Accession #	Q9NZF1; C1K3N2
Molecular Weight	12,507 Da
NCBI Official Full Name	placenta-specific gene 8 protein
NCBI Official Synonym Full Names	placenta specific 8
NCBI Official Symbol	PLAC8
NCBI Official Synonym Symbols	C15; DGIC; onzin; PNAS-144
NCBI Protein Information	placenta-specific gene 8 protein
UniProt Protein Name	Placenta-specific gene 8 protein
UniProt Gene Name	PLAC8

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/human-elisa-kits/plac8-placenta-specific-gene-8-protein/248781>