

Human Adipogenin (ADIG) ELISA Kit | ADIG elisa kit

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CATALOG #
AAA331127

REACTIVITY
Human

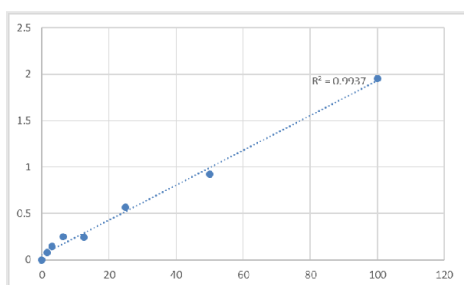
PRODUCT SYNONYMS

Adipogenin (ADIG); Human Adipogenin (ADIG) ELISA Kit; ADIG; RP5-1100H13.2; KIAA1219; MGC149650; MGC39724; SMAF1; adipogenesis associated; small adipocyte factor 1; small adipocyte factor 1 (SMAF1); ADIG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adipogenin (ADIG) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADIG. No significant cross-reactivity or interference between Human ADIG and analogues was observed.
Sequence Length	80
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Adipogenin (ADIG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADIG elisa kit	Description: This Human Adipogenin (ADIG) ELISA Kit employs a two-site sandwich ELISA to quantitate ADIG in samples. An antibody specific for ADIG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADIG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADIG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADIG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADIG/SMAF1 is an adipocyte-specific protein that plays a role in adipocyte differentiation. The deduced 80-amino acid mouse protein contains an N-terminal region rich in leucine residues, a short stretch of basic amino acids suggestive of a nuclear localization signal, and a C-terminal region rich in acidic amino acids. Western blot analysis of COS cells expressing mouse Smaf1 detected a 10-kD protein. Northern blot analysis of mouse tissues detected adipose-specific expression. Cell fractionation studies showed Smaf1 expression in the adipocyte fraction only with no expression in the stromal vascular cells. RT-PCR of mouse tissues detected high Adig expression in white adipose tissue, low expression in heart, stomach, and muscle, and barely detectable expression in kidney and lung.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66275526
NCBI GeneID	149685
NCBI Accession #	NP_001018092.1
NCBI GenBank Nucleotide #	NP_001018092.1
UniProt Accession #	Q0VDE8
NCBI Official Full Name	adipogenin
NCBI Official Synonym Full Names	adipogenin
NCBI Official Symbol	ADIG
NCBI Official Synonym Symbols	SMAF1
NCBI Protein Information	adipogenin
UniProt Protein Name	Adipogenin
UniProt Gene Name	ADIG
UniProt Entry Name	ADIG_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/human-elisa-kits/adipogenin-adig/331127>