

Human Smoothened Homolog (SMO) ELISA Kit | SMO elisa kit

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CATALOG #
AAA330781

REACTIVITY
Human

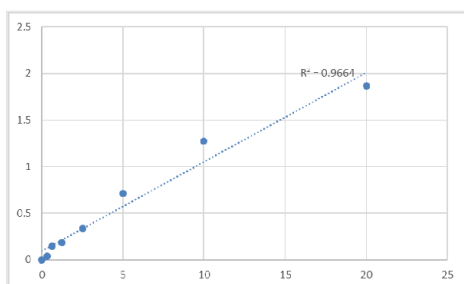
PRODUCT SYNONYMS

Smoothened Homolog (SMO); Human Smoothened Homolog (SMO) ELISA Kit; SMO; Gx; SMOH; seven transmembrane helix receptor; smoothened; SMO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Smoothened homolog (SMO) ELISA Kit has high sensitivity and excellent specificity for detection of Human SMO. No significant cross-reactivity or interference between Human SMO and analogues was observed.
Sequence Length	787
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 Smoothened homolog (SMO) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SMO elisa kit	Description: This Human Smoothened homolog (SMO) ELISA Kit employs a two-site sandwich ELISA to quantitate SMO in samples. An antibody specific for SMO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMO 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 SMO bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Spermine oxidase is the polyamine oxidase. This enzyme potentially represents a new class of catabolic enzymes in the mammalian polyamine metabolic pathway capable of the efficient oxidation of polyamines. More than five transcript variants encoding four active isoenzymes have been identified for this gene, however, not all variants have been fully described. The characterized isoenzymes have distinctive biochemical characteristics and substrate specificities, suggesting the existence of additional levels of complexity in polyamine catabolism.Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs. May contribute to beta-alanine production via aldehyde dehydrogenase conversion of 3-amino-propanal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5032099
NCBI GeneID	6608
NCBI Accession #	NP_005622.1
NCBI GenBank Nucleotide #	NP_005622.1
UniProt Accession #	Q99835
NCBI Official Full Name	smoothened homolog
NCBI Official Synonym Full Names	smoothened, frizzled class receptor
NCBI Official Symbol	SMO
NCBI Official Synonym Symbols	Gx; CRJS; SMOH; FZD11
NCBI Protein Information	smoothened homolog
UniProt Protein Name	Smoothened homolog
UniProt Gene Name	SMO
UniProt Synonym Gene Names	SMOH; SMO
UniProt Entry Name	SMO_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/smoothened-homolog-smo/330781>