

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

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CATALOG #
AAA27318

REACTIVITY
Human

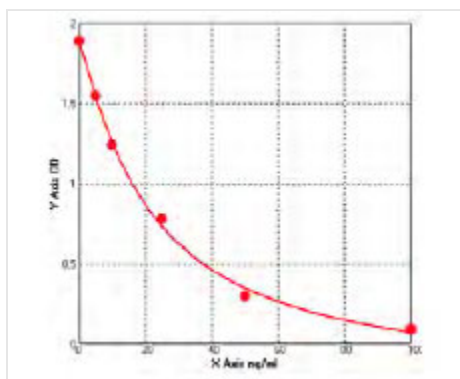
PRODUCT SYNONYMS

Smoothened homolog (SMO); Human Smoothened homolog (SMO) ELISA Kit; SMO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMO elisa kit

Intended Uses: This SMO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SMO. This ELISA kit for research use only!

Principle of the Assay: SMO ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SMO antibody and an SMO-HRP conjugate. The assay sample and buffer are incubated together with SMO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SMO concentration since SMO from samples and SMO-HRP conjugate compete for the anti-SMO antibody binding site. Since the number of sites is limited, as more sites are occupied by SMO from the sample, fewer sites are left to bind SMO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SMO concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032099
NCBI GeneID	6608
NCBI Accession #	NP_005622.1
NCBI GenBank Nucleotide #	NM_005631.4
Molecular Weight	86,397 Da
NCBI Official Full Name	smoothened homolog
NCBI Official Synonym Full Names	smoothened, frizzled class receptor
NCBI Official Symbol	SMO
NCBI Official Synonym Symbols	Gx; SMOH; FZD11
NCBI Protein Information	smoothened homolog; protein Gx; frizzled family member 11; seven transmembrane helix receptor; smoothened, frizzled family receptor; smoothened, seven transmembrane spanning receptor
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.