

Human Son Of Sevenless Homolog 1 (SOS1) ELISA Kit | SOS1 elisa kit

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CATALOG #
AAA330767

REACTIVITY
Human

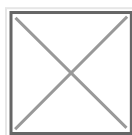
PRODUCT SYNONYMS

Son Of Sevenless Homolog 1 (SOS1); Human Son Of Sevenless Homolog 1 (SOS1) ELISA Kit; SOS1; GF1; GGF1; GINGF; HGF; NS4; OTTHUMP00000128306; gingival fibromatosis; hereditary; 1; guanine nucleotide exchange factor; son of sevenless homolog 1; SOS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Son of sevenless homolog 1 (SOS1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SOS1. No significant cross-reactivity or interference between Human SOS1 and analogues was observed.
Sequence Length	1333
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 Son of sevenless homolog 1 (SOS1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SOS1 elisa kit	Description: This Human Son of sevenless homolog 1 (SOS1) ELISA Kit employs a two-site sandwich ELISA to quantitate SOS1 in samples. An antibody specific for SOS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SOS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SOS1 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 SOS1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Son of sevenless homolog 1 (SOS1) is a guanine nucleotide exchange factor for RAS proteins, membrane proteins that bind guanine nucleotides and participate in signal transduction pathways. GTP binding activates and GTP hydrolysis inactivates RAS proteins. The product of SOS1 may regulate RAS proteins by facilitating the exchange of GTP for GDP. Mutations in SOS1 are associated with gingival fibromatosis 1 and Noonan syndrome type 4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15529996
NCBI GeneID	6654
NCBI Accession #	NP_005624.2
NCBI GenBank Nucleotide #	NP_005624.2
UniProt Accession #	Q07889
NCBI Official Full Name	son of sevenless homolog 1
NCBI Official Synonym Full Names	SOS Ras/Rac guanine nucleotide exchange factor 1
NCBI Official Symbol	SOS1
NCBI Official Synonym Symbols	GF1; HGF; NS4; GGF1; GINGF; SOS-1
NCBI Protein Information	son of sevenless homolog 1
UniProt Protein Name	Son of sevenless homolog 1
UniProt Gene Name	SOS1
UniProt Synonym Gene Names	SOS-1
UniProt Entry Name	SOS1_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/son-of-sevenless-homolog-1-sos1/330767>