

Human Mothers Against Decapentaplegic Homolog 7 (Smad7) ELISA Kit | SMAD7 elisa kit

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CATALOG #
AAA330783

REACTIVITY
Human

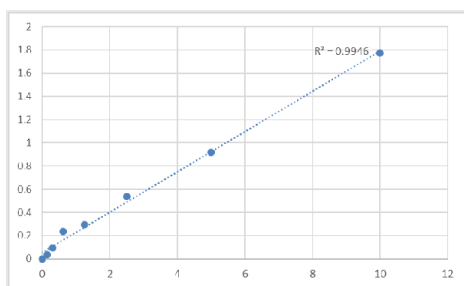
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 7 (Smad7); Human Mothers Against Decapentaplegic Homolog 7 (Smad7) ELISA Kit; SMAD7; CRCS3; FLJ16482; MADH7; MADH8; MAD (mothers against decapentaplegic; Drosophila) homolog 7; MAD; mothers against decapentaplegic homolog 7; Mothers against decapentaplegic; drosophila; homolog of; 7; S; SMAD7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mothers against decapentaplegic homolog 7 (Smad7) ELISA Kit has high sensitivity and excellent specificity for detection of Human SMAD7. No significant cross-reactivity or interference between Human SMAD7 and analogues was observed.
Sequence Length	426
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 Mothers against decapentaplegic homolog 7 (Smad7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SMAD7 elisa kit	Description: This Human Mothers against decapentaplegic homolog 7 (Smad7) ELISA Kit employs a two-site sandwich ELISA to quantitate SMAD7 in samples. An antibody specific for SMAD7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMAD7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMAD7 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 SMAD7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MAD proteins, originally defined in Drosophila, are essential components of the signaling pathways of the transforming growth factor-beta receptor family. Using a differential display approach in cultured endothelial cells subjected to multiple soluble and biomechanical stimuli, Topper et al. (1997) isolated a human endothelial cell cDNA encoding MADH7, which they called SMAD7. The predicted 426-amino acid MADH7 protein lacks the C-terminal putative phosphorylation sites present in other MAD proteins, suggesting that it may be distinctly regulated. In situ hybridization and immunohistochemical analyses on human tissues showed that MADH7 is expressed predominantly in vascular endothelium.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18418630
NCBI GeneID	4092
UniProt Accession #	O15105
NCBI Official Full Name	Smad7
NCBI Official Synonym Full Names	SMAD family member 7
NCBI Official Symbol	SMAD7
NCBI Official Synonym Symbols	CRCS3; MADH7; MADH8
NCBI Protein Information	mothers against decapentaplegic homolog 7
UniProt Protein Name	Mothers against decapentaplegic homolog 7
UniProt Gene Name	SMAD7
UniProt Synonym Gene Names	MADH7; MADH8; MAD homolog 7; Mothers against DPP homolog 7; MAD homolog 8; Mothers against DPP homolog 8; SMAD 7; Smad7; hSMAD7
UniProt Entry Name	SMAD7_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/mothers-against-decapentaplegic-homolog-7-smad7/330783>