

Human Mothers Against Decapentaplegic Homolog 1 (SMAD1) ELISA Kit | SMAD1 elisa kit

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CATALOG #
AAA330788

REACTIVITY
Human

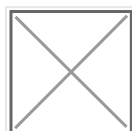
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 1 (SMAD1); Human Mothers Against Decapentaplegic Homolog 1 (SMAD1) ELISA Kit; SMAD1; BSP1; JV4-1; JV41; MADH1; MADR1; MAD; mothers against decapentaplegic homolog 1; Mad-related protein 1; SMAD; mothers against DPP homolog 1; Sma-and Mad-related protein 1; TGF-beta signaling protein 1; SMAD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mothers against decapentaplegic homolog 1 (SMAD1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SMAD1. No significant cross-reactivity or interference between Human SMAD1 and analogues was observed.
Sequence Length	465
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * 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 1 (SMAD1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SMAD1 elisa kit	<p>Description: This Human Mothers against decapentaplegic homolog 1 (SMAD1) ELISA Kit employs a two-site sandwich ELISA to quantitate SMAD1 in samples. An antibody specific for SMAD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMAD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMAD1 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 SMAD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Glycyl-tRNA synthetase is one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Defects in GARS are the cause of distal spinal muscular atrophy type V (DSMA-V). DSMA-V is an autosomal dominant distal hereditary motor neuropathy (dHMN) with a phenotype similar to CMT2D. The main characteristic that distinguishes these disorders is the less severe distal sensory involvement in DSMA-V patients. Defects in GARS are the cause of Charcot-Marie-Tooth disease type 2D (CMT2D)</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51173727
NCBI GeneID	4086
NCBI Accession #	NP_001003688.1
NCBI GenBank Nucleotide #	NP_001003688.1
UniProt Accession #	Q15797
NCBI Official Full Name	mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
NCBI Protein Information	mothers against decapentaplegic homolog 1
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	SMAD1
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1
UniProt Entry Name	SMAD1_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-1-smad1/330788>