

Human Mothers Against Decapentaplegic Homolog 3 (SMAD3) ELISA Kit | SMAD3 elisa kit

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CATALOG #
AAA330786

REACTIVITY
Human

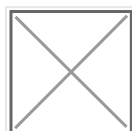
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 3 (SMAD3); Human Mothers Against Decapentaplegic Homolog 3 (SMAD3) ELISA Kit; SMAD3; DKFZp586N0721; DKFZp686J10186; HSPC193; HsT17436; JV15-2; MADH3; MGC60396; MAD; mothers against decapentaplegic homolog 3; SMA-and MAD-related protein 3; SMAD; mothers against DPP homolog 3; mad homol; SMAD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mothers Against Decapentaplegic Homolog 3 (SMAD3) ELISA Kit has high sensitivity and excellent specificity for detection of Human SMAD3. No significant cross-reactivity or interference between Human SMAD3 and analogues was observed.
Sequence Length	320
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 3 (SMAD3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SMAD3 elisa kit	<p>Description: This Human Mothers Against Decapentaplegic Homolog 3 (SMAD3) ELISA Kit employs a two-site sandwich ELISA to quantitate SMAD3 in samples. An antibody specific for SMAD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMAD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMAD3 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 SMAD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: SMAD3 or Mothers against decapentaplegic homolog 3 is a gene which appears in humans on chromosome 15. It is one of several human homologues of a gene which was originally discovered in the fruit fly Drosophila melanogaster. The name SMAD3 also refers to a member of the SMAD family of proteins. SMAD3 or Mothers against decapentaplegic homolog 3 is a polypeptide that, as its name describes, is a homolog of the Drosophila protein "Mothers against decapentaplegic". It belongs to the SMAD family of proteins, which belong to the TGFbeta superfamily of modulators. Like many other TGFbeta family members, SMAD3 is involved in cell signalling. SMAD3 modulates signals of activin and TGFbeta's.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223029440
NCBI GeneID	4088
NCBI Accession #	NP_001138574.1
NCBI GenBank Nucleotide #	NP_001138574.1
UniProt Accession #	P84022
NCBI Official Full Name	mothers against decapentaplegic homolog 3 isoform 2
NCBI Official Synonym Full Names	SMAD family member 3
NCBI Official Symbol	SMAD3
NCBI Official Synonym Symbols	LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436
NCBI Protein Information	mothers against decapentaplegic homolog 3
UniProt Protein Name	Mothers against decapentaplegic homolog 3
UniProt Gene Name	SMAD3
UniProt Synonym Gene Names	MADH3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; SMAD 3; Smad3; hSMAD3
UniProt Entry Name	SMAD3_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-3-smad3/330786>