

Mouse Mothers against decapentaplegic homolog 3 ELISA Kit | Smad3 elisa kit

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CATALOG #
AAA95765

REACTIVITY
Mouse

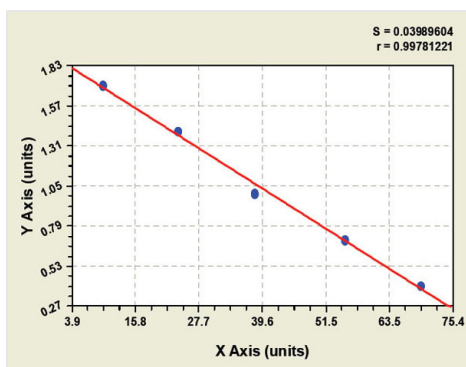
PRODUCT SYNONYMS

Mothers against decapentaplegic homolog 3; Mouse Mothers against decapentaplegic homolog 3 ELISA Kit; Smad3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This Smad 3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Smad 3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Smad3 elisa kit

Principle of the assay: Smad 3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Smad 3 antibody and an Smad 3-HRP conjugate. The assay sample and buffer are incubated together with Smad 3-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 Smad 3 concentration since Smad 3 from samples and Smad 3-HRP conjugate compete for the anti-Smad 3 antibody binding site. Since the number of sites is limited, as more sites are occupied by Smad 3 from the sample, fewer sites are left to bind Smad 3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Smad 3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Smad3 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	18418623
NCBI GeneID	4088
Molecular Weight	25,722 Da
NCBI Official Full Name	Smad3
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; mad3; hMAD-3; hSMAD3; MAD homolog 3; mad homolog JV15-2; mad protein homolog; mothers against DPP homolog 3; SMA- and MAD-related protein 3; SMAD, mothers against DPP homolog 3; MAD, 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/smad3-mouse-elisa-kits/mothers-against-decapentaplegic-homolog-3/95765>