

Rat Mothers Against Decapentaplegic Homolog 7 ELISA Kit | Smad7 elisa kit

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CATALOG #
AAA98026

REACTIVITY
Rat

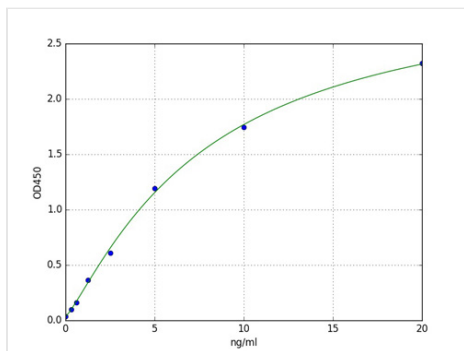
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 7; Rat Mothers Against Decapentaplegic Homolog 7 ELISA Kit; Smad7/MADH7 (Mothers Against Decapentaplegic Homolog 7)/MADH8/CRCS3/hSMAD7/MAD homolog 7/MAD homolog 8/MAD; mothers against decapentaplegic homolog 7 (Drosophila)/Mothers against decapentaplegic homolog 8; Smad7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	426
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Smad7 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.012	0.130	0.243	0.395	0.820	1.138	2.081	2.447

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Smad7 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Smad7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Smad7 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Smad7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Smad7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	111154105
NCBI GeneID	17131
NCBI Accession #	NP_001036125.1
NCBI GenBank Nucleotide #	NM_001042660.1
Molecular Weight	46,371 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 7
NCBI Official Synonym Full Names	SMAD family member 7
NCBI Official Symbol	Smad7
NCBI Official Synonym Symbols	Madh7
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
UniProt Entry Name	SMAD7_MOUSE

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/smad7-rat-elisa-kits/mothers-against-decapentaplegic-homolog-7/98026>