

Rat Smad7 ELISA Kit | Smad7 elisa kit

Rat Smad7 (Mothers Against Decapentaplegic Homolog 7) ELISA Kit

CATALOG #
AAA163615

REACTIVITY
Rat

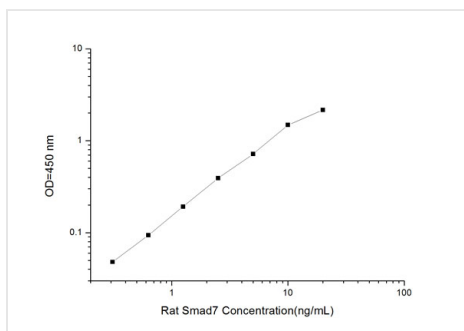
PRODUCT SYNONYMS

Smad7; Rat Smad7 (Mothers Against Decapentaplegic Homolog 7) ELISA Kit; Smad7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat Smad7. No significant cross-reactivity or interference between Rat Smad7 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat Smad7 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	426
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Smad7 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Smad7 in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat Smad7. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat Smad7 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat Smad7, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat Smad7. You can calculate the concentration of Rat Smad7 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18418630
NCBI GeneID	4092
UniProt Accession #	O15105; O14740; Q6DK23; B7Z773; K7EQ10
Molecular Weight	46,355 Da
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; MAD (mothers against decapentaplegic, Drosophila) homolog 7; MAD homolog 8; Mothers against decapentaplegic, drosophila, homolog of, 7; SMAD, mothers against DPP homolog 7; hSMAD7; mothers against DPP homolog 8
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.