Guinea Pig Mothers Against Decapentaplegic Homolog 1 ELISA Kit | Smad1 elisa kit

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CATALOG #	REACTIVITY
AAA87203	**Guinea Pig**

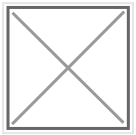
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 1; Guinea pig Mothers Against Decapentaplegic Homolog 1 ELISA Kit; Smad1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Smad-1. No significant cross-reactivity or interference between Smad-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Smad-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Smad1 elisa kit	Principle of the Assay: Smad-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Smad-1 antibody and an Smad-1-HRP conjugate. The assay sample and buffer are incubated together with Smad-1-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-1 concentration since Smad-1 from samples and Smad-1-HRP conjugate compete for the anti-Smad-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Smad-1 from the sample, fewer sites are left to bind Smad-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Smad-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This Smad-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig Smad-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Smad1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	297595318
Molecular Weight	52,206 Da
NCBI Official Full Name	SMAD1
UniProt Protein Name	SMAD1
UniProt Gene Name	**SMAD1**
UniProt Entry Name	D9I028_CREFO

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/smad1-guinea-pig-pig-elisa-kits/mothers-against-decapentaplegic-homolog-1/87203