

Human Mothers Against Decapentaplegic Homolog 1 ELISA Kit | Smad1 elisa kit

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CATALOG # AAA84103	REACTIVITY Human
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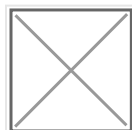
PRODUCT SYNONYMS

Mothers Against Decapentaplegic Homolog 1; Human Mothers Against Decapentaplegic Homolog 1 ELISA Kit; Smad1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Smad1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Smad1. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Smad1 elisa kit	<p>Principle of the Assay: Smad1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Smad1 antibody and an Smad1-HRP conjugate. The assay sample and buffer are incubated together with Smad1-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 Smad1 concentration since Smad1 from samples and Smad1-HRP conjugate compete for the anti-Smad1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Smad1 from the sample, fewer sites are left to bind Smad1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Smad1 concentration in each sample is interpolated from this standard curve.</p>
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-human-elisa-kits/mothers-against-decapentaplegic-homolog-1/84103>