

Mouse Activin A ELISA Kit

ActivinA Mouse ELISA Kit

CATALOG # AAA13501	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Activin A; ActivinA Mouse ELISA Kit; Mouse Activin A; Activin A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, body fluids, tissue lysates or cell culture supernates
Detection Range	62.5 pg/ml-4000 pg/ml
Applicable Applications for Activin A elisa kit	ELISA
Application Notes	For quantitative detection of Activin A in serum, body fluids, tissue lysates or cell culture supernates.
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Typical Data & Standard Curve										
Results of a typical standard run of a Mouse Activin A 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	Pg/ml	0	62.5	125	250	500	1000	2000	4000	
Y	OD450	0.046	0.081	0.118	0.213	0.409	0.821	1.563	2.438	

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Activin A elisa kit

Background: Activin A, the homodimer of the beta-A subunit, is a cytokine member of the transforming growth factor-beta superfamily. It is produced in the gonads, pituitary gland, placenta, and other organs, and is expressed locally by the mesenchymal component of the hemopoietic microenvironment. It had a mitogenic effect on mouse osteoblastic cells and suppressed their alkaline phosphatase activity. It also has an important role in the inflammatory response and that FST may have significant therapeutic potential to reduce the severity of inflammatory diseases.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Activin A polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Activin A polyclonal 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. Avidin-Biotin-Peroxidase Complex 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 Activin A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Activin A can be calculated.

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.

