

Human Activin A ELISA Kit

ActivinA Human ELISA Kit

CATALOG # AAA58940	REACTIVITY Human	APPLICATIONS ELISA
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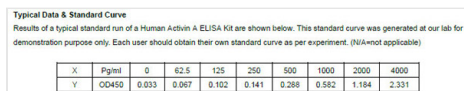
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, body fluids, tissue lysates or cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 12pg/ml
Applicable Applications for Activin A elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Activin A elisa kit

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.

Background/Introduction: 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.

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.