

Rat TGFbeta1 ELISA Kit | TGFbeta1 elisa kit

TGFbeta1 Rat ELISA Kit

CATALOG # AAA59043	REACTIVITY Rat	APPLICATIONS ELISA
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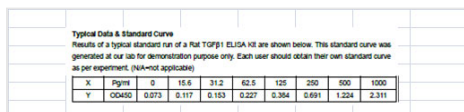
PRODUCT SYNONYMS

TGFbeta1; TGFbeta1 Rat ELISA Kit; Rat TGFbeta1; TGFbeta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Rat serum, body fluids, tissue lysates or cell culture supernatants
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 1 pg/ml
Applicable Applications for TGFbeta1 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 TGFbeta1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TGFbeta1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- TGFbeta1 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 TGFbeta1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TGFbeta1 can be calculated.!!**Background/Introduction:** Transforming growth factor beta 1 or TGFbeta1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. In humans, TGFbeta1 is encoded by the TGFB1 gene. This gene contains 7 exons and very large introns, maps to 19q13.1-q13.3. TGFbeta1 acts synergistically with TGFA in inducing transformation. It also acts as a negative autocrine growth factor. The TGFB1 is directly involved in the pathogenesis of bone marrow reticulin fibrosis in hairy cell leukemia. The expression of TGFB1 in the early stages of DM1 may be critical in initiating muscle fibrosis, and suggested that antifibrosis treatment might slow progression of the disease, increasing the utility of gene therapy.

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.