

Human Tie-2 ELISA Kit | Tie-2 elisa kit

Tie-2 Mouse ELISA Kit

CATALOG # AAA58957	REACTIVITY Human	APPLICATIONS ELISA
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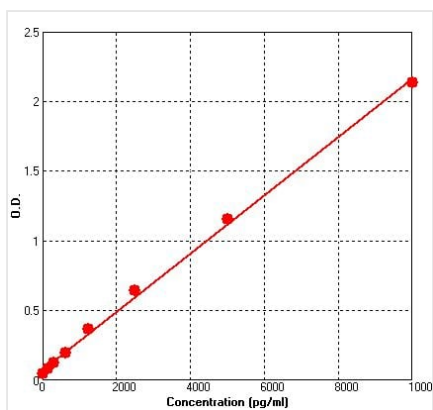
PRODUCT SYNONYMS

Tie-2; Tie-2 Mouse ELISA Kit; Human Tie-2; Tie-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 5pg/ml
Applicable Applications for Tie-2 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 Tie-2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TIE2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TIE2 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 TIE2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TIE2 can be calculated.

Background: Tyrosine kinase with Ig and EGF homology domain 2 (Tie-2), also called TEK tyrosine kinase, endothelial (TEK). The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The TIE2 expression is increased in goiter in both humans and rats, consistent with a role in goitrogenesis. And the activating mutation in TIE2 caused inherited venous malformations in the 2 families and that the TIE2 signaling pathway is critical for endothelial cell-smooth muscle cell communication in venous morphogenesis.

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/human-elisa-kits/tie-2/58957>