

Human ROBO1 ELISA Kit | ROBO1 elisa kit

Human ROBO1 PicoKine ELISA Kit

CATALOG #
AAA125046

REACTIVITY
Human

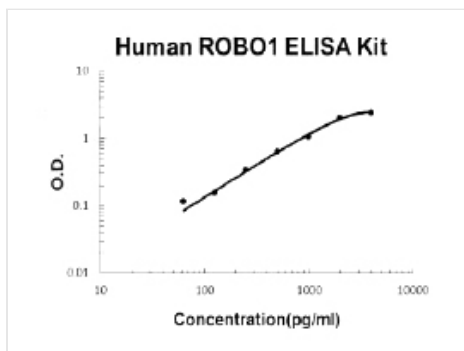
PRODUCT SYNONYMS

ROBO1; Human ROBO1 PicoKine ELISA Kit; Human ROBO1; ROBO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human RET
Sequence Length	190
Samples	Cell Culture Supernates, Serum And Plasma(Heparin)
Detection Range	93.8pg/ml-6000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROBO1 elisa kit	Principle of the Assay: The Picokine Human RET Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human RET with a 96-well strip plate that is pre-coated with antibody specific for RET. The detection antibody is a biotinylated antibody specific for RET. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human RET with immunogen: Expression system for standard: sf21, Immunogen sequence: L29-R635. The kit is analytically validated with ready to use reagents. To measure Human RET, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human RET in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human RET in the sample!!Background/Introduction: This gene encodes a transmembrane receptor and member of the tyrosine protein kinase family of proteins. It is mapped to 10q11.21. Binding of ligands such as GDNF (glial cell-line derived neurotrophic factor) and other related proteins to the encoded receptor stimulates receptor dimerization and activation of downstream signaling pathways that play a role in cell differentiation, growth, migration and survival. The encoded receptor is important in development of the nervous system, and the development of organs and tissues derived from the neural crest. This protooncogene can undergo oncogenic activation through both cytogenetic rearrangement and activating point mutations. Mutations in this gene are associated with Hirschsprung disease and central hypoventilation syndrome and have been identified in patients with renal agenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	959013069
NCBI Official Full Name	ROBO1, partial

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/robo1/125046>