

Human FGFR1 ELISA Kit | FGFR1 elisa kit

Human FGFR1 PicoKine ELISA Kit

CATALOG #
AAA125286

REACTIVITY
Human

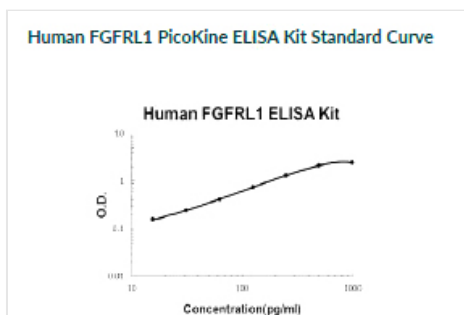
PRODUCT SYNONYMS

FGFR1; Human FGFR1 PicoKine ELISA Kit; Human FGFR1; fibroblast growth factor receptor like 1; Fibroblast growth factor receptor-like 1; FGF receptor-like protein 1; FGF homologous factor receptor; FGFR-like protein; Fibroblast growth factor receptor 5; FGFR-5; FGFR5; FHFR; UNQ480; PRO943; FGFR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FGFR1
Sequence Length	504
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/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 across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGFR1 elisa kit	Principle of the Assay: The Picokine™ Human FGFR1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human FGFR1 with a 96-well strip plate that is pre-coated with antibody specific for FGFR1. The detection antibody is a biotinylated antibody specific for FGFR1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human FGFR1 with immunogen: Expression system for standard: NSO, Immunogen sequence: A25-P378. The kit is analytically validated with ready to use reagents. To measure Human FGFR1, 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 unbound 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 proportional to Human FGFR1 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 FGFR1 in the sample.!!Background/Introduction: Fibroblast growth factor receptor-like 1 is a protein that in humans is encoded by the FGFR1 gene. It is mapped to 4p16.3. The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membranesspanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51988912
NCBI GeneID	53834
NCBI Accession #	NP_001004356.1
NCBI GenBank Nucleotide #	NP_001004356.1
UniProt Accession #	Q8N441
NCBI Official Full Name	fibroblast growth factor receptor-like 1
NCBI Official Synonym Full Names	fibroblast growth factor receptor like 1
NCBI Official Symbol	FGFR1
NCBI Official Synonym Symbols	FHFR; FGFR5; FGFR-5
NCBI Protein Information	fibroblast growth factor receptor-like 1
UniProt Protein Name	Fibroblast growth factor receptor-like 1
UniProt Gene Name	FGFR1
UniProt Synonym Gene Names	FGFR5; FHFR; FGF receptor-like protein 1; FGFR-5
UniProt Entry Name	FGRL1_HUMAN

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.