

Mouse FGFR4 ELISA Kit | FGFR4 elisa kit

Mouse FGFR4 PicoKine ELISA Kit

CATALOG #
AAA125291

REACTIVITY
Mouse

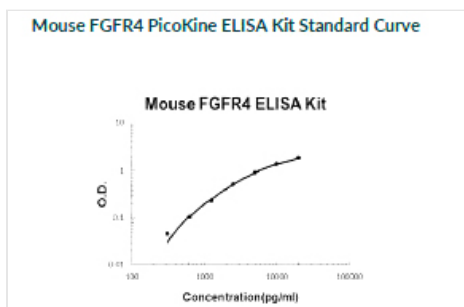
PRODUCT SYNONYMS

FGFR4; Mouse FGFR4 PicoKine ELISA Kit; Mouse FGFR4; Fibroblast growth factor receptor 4; FGFR-4; Protein-tyrosine kinase receptor MPK-11; CD334; Fgfr4; Fgfr-4; Mpk-11; FGFR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Fgfr4
Sequence Length	799
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20000pg/ml
Sensitivity	<50pg/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 FGFR4 elisa kit	Principle of the Assay: The Picokine™ Mouse Fgfr4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Fgfr4 with a 96-well strip plate that is pre-coated with antibody specific for Fgfr4. The detection antibody is a biotinylated antibody specific for Fgfr4. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Fgfr4 with immunogen:. The kit is analytically validated with ready to use reagents. To measure Mouse Fgfr4, 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 proportional to Mouse Fgfr4 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 Mouse Fgfr4 in the sample.!!Background/Introduction: Fibroblast growth factor receptor 4 is a protein that in humans is encoded by the FGFR4 gene. It is mapped to 13 B1; 13 29.8 cM. FGFR4 has also been designated as CD334 (cluster of differentiation 334). The protein encoded by this gene is a member of the fibroblast growth factor receptor 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 membrane-spanning 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112293260
NCBI GeneID	14186
NCBI Accession #	NP_032037.2
NCBI GenBank Nucleotide #	NP_032037.2
UniProt Accession #	Q03142
NCBI Official Full Name	fibroblast growth factor receptor 4
NCBI Official Synonym Full Names	fibroblast growth factor receptor 4
NCBI Official Symbol	Fgfr4
NCBI Official Synonym Symbols	Fgfr-4
NCBI Protein Information	fibroblast growth factor receptor 4
UniProt Protein Name	Fibroblast growth factor receptor 4
UniProt Gene Name	Fgfr4
UniProt Synonym Gene Names	Fgfr-4; Mpk-11; FGFR-4
UniProt Entry Name	FGFR4_MOUSE

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.