

Human Fibroblast Growth Factor Receptor 2 ELISA Kit | FGFR2 elisa kit

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CATALOG #
AAA101922

REACTIVITY
Human

PRODUCT SYNONYMS

Fibroblast Growth Factor Receptor 2; Human Fibroblast Growth Factor Receptor 2 ELISA Kit; FGFR2/CD332/BFR-1/CD332 antigen/CFD1/craniofacial dysostosis 1/EC 2.7.10/EC 2.7.10.1/fibroblast growth factor receptor 2/FLJ98662/Jackson-Weiss syndrome/JWS/Keratinocyte growth factor receptorreceptor like 14/KSAM/K-sam/soluble FGFR4 variant 4; FGFR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FGFR2 . No significant cross-reactivity or interference between FGFR2 and analogues was observed.
Sequence Length	822
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGFR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FGFR2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a FGFR2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.058	0.162	0.287	0.523	0.672	1.223	1.888	2.414

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGFR2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FGFR2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- FGFR2 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. HRP-Streptavidin 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 FGFR2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FGFR2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	182567
NCBI GeneID	2263
Molecular Weight	79,833 Da
NCBI Official Full Name	fibroblast growth factor receptor 2
NCBI Official Synonym Full Names	fibroblast growth factor receptor 2
NCBI Official Symbol	FGFR2
NCBI Official Synonym Symbols	BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM
NCBI Protein Information	fibroblast growth factor receptor 2
UniProt Protein Name	Fibroblast growth factor receptor 2
UniProt Gene Name	FGFR2
UniProt Synonym Gene Names	BEK; KGFR; KSAM; FGFR-2; KGFR
UniProt Entry Name	FGFR2_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.

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Online datasheet: <https://stage.aaabiotech.com/fgfr2-human-elisa-kits/fibroblast-growth-factor-receptor-2/101922>