

Sheep Basic Fibroblast growth factor receptor ELISA Kit | bFGFR elisa kit

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CATALOG #
AAA91666

REACTIVITY
Sheep

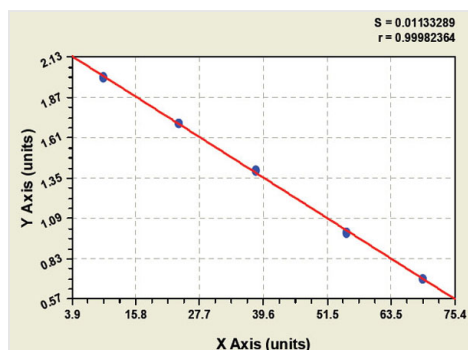
PRODUCT SYNONYMS

Basic Fibroblast growth factor receptor; Sheep Basic Fibroblast growth factor receptor ELISA Kit; bFGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This bFGFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep bFGFR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bFGFR elisa kit

Principle of the Assay: bFGFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-bFGFR antibody and an bFGFR-HRP conjugate. The assay sample and buffer are incubated together with bFGFR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the bFGFR concentration since bFGFR from samples and bFGFR-HRP conjugate compete for the anti-bFGFR antibody binding site. Since the number of sites is limited, as more sites are occupied by bFGFR from the sample, fewer sites are left to bind bFGFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The bFGFR concentration in each sample is interpolated from this standard curve.

Product Categories/Family for bFGFR elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	183087
NCBI GeneID	2247
Molecular Weight	21,203 Da
NCBI Official Full Name	basic fibroblast growth factor, partial
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_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://www.aaabiotech.com/bfgfr-sheep-elisa-kits/basic-fibroblast-growth-factor-receptor/91666>