ARG81355
Rat FGF basic ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81355 Rat FGF basic ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat FGF basic in serum or plasma.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	The following recombinant Rat proteins prepared at 10 ng/ml were tested and exhibited no crossreactivity or interference: Adiponectin, ApoAI, BMP1, BMP2, BMP3, BMP4, BMP5, BMP7, CCL2, CCL4, CCL5, CRP, HSP27, HGF, IL-1 beta, IL-1RA, IL-2, IL-4, IL-5, sFGF BASICR, IL-8, IL-10, IL-12, IL-13, IL-15, IL-17C, IL-21, IL-23, IFNγ, MMP-2, MMP9, IL2R, PDGF, serpin E1, TGFβ1, TGFβ2, TGFβ3, TLR1, TLR2, TLR3, TLR9, TNF-α, TNF RI, TNF RII, VEGF, VEGF R1.
Target Name	FGF basic
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	3 pg/ml
Sample Type	Serum or plasma.
Standard Range	15.63 - 1000 pg/ml
Sample Volume	100 µl
Alternate Names	FGF-2; Fibroblast growth factor 2; bFGF; FGFB; Heparin-binding growth factor 2; BFGF; HBGF-2; Basic fibroblast growth factor

Application Instructions

Assay Time	~ 3 hours

Properties

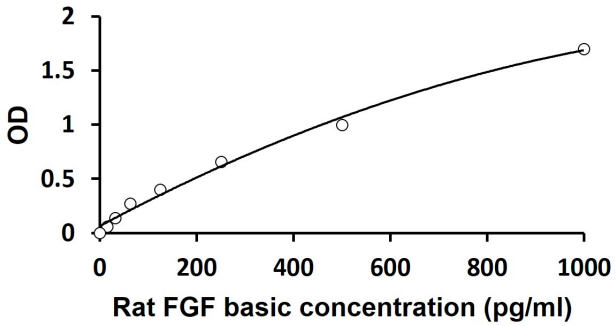
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FGF2
Gene Full Name	fibroblast growth factor 2 (basic)
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound

	healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. [UniProt]
Highlight	Related products: FGF basic antibodies; FGF basic ELISA Kits; FGF basic recombinant proteins; Related news: The role of HDGF in tumor angiogenesis New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion. Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing. [UniProt]

Images



ARG81355 Rat FGF basic ELISA Kit standard curve image

ARG81355 Rat FGF basic ELISA Kit results of a typical standard run with optical density reading at 450 nm.