

ARG81829 Rat FGF acidic ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81829-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81829-002	Standard	2 X 10 ng/vial	4°C
ARG81829-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81829-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81829-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81829-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81829-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81829-008	25X Wash buffer	20 ml	4°C
ARG81829-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81829-010	STOP solution	10 ml (Ready to use)	4°C
ARG81829-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81829 Rat FGF acidic ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat FGF acidic in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FGF acidic
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3%; Inter-Assay CV: 7.4%
Alternate Names	HBGF1; FGF-1; FGF-alpha; GLIO703; ECGFA; ECGFB; ECGF; Endothelial cell growth factor; FGFA; Acidic fibroblast growth factor; Heparin-binding growth factor 1; Fibroblast growth factor 1; HBGF-1; AFGF; aFGF; ECGF-beta

Application Instructions

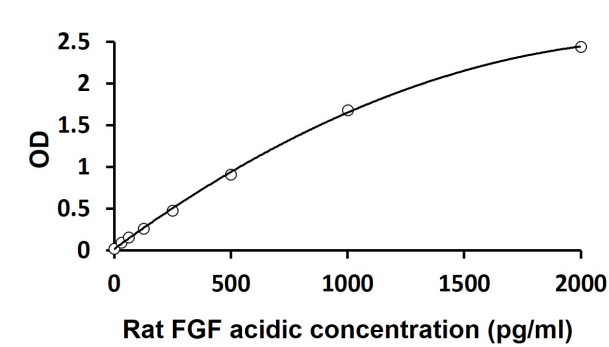
Assay Time	~ 5 hours
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Properties

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	FGF1
Gene Full Name	fibroblast growth factor 1 (acidic)
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]
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 acidic antibodies ; FGF acidic ELISA Kits ; FGF acidic recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	In the nucleus, phosphorylated by PKC/PRKCD. [UniProt]



ARG81829 Rat FGF acidic ELISA Kit standard curve image

ARG81829 Rat FGF acidic ELISA Kit results of a typical standard run with optical density reading at 450 nm.