

ARG82100 Rat FGFBP1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82100-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82100-002	Standard	2 X 10 ng/vial	4°C
ARG82100-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82100-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82100-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82100-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82100-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82100-008	25X Wash buffer	20 ml	4°C
ARG82100-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82100-010	STOP solution	10 ml (Ready to use)	4°C
ARG82100-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82100 Rat FGFBP1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat FGFBP1 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	FGFBP1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7%; Inter-Assay CV: 6.2%
Alternate Names	Fibroblast growth factor-binding protein 1; 17 kDa heparin-binding growth factor-binding protein; FGF-BP; FGF-binding protein 1; HBp17; FGFBP; 17 kDa HBGF-binding protein; FGFBP-1; HBP17; FGF-BP1

Application Instructions

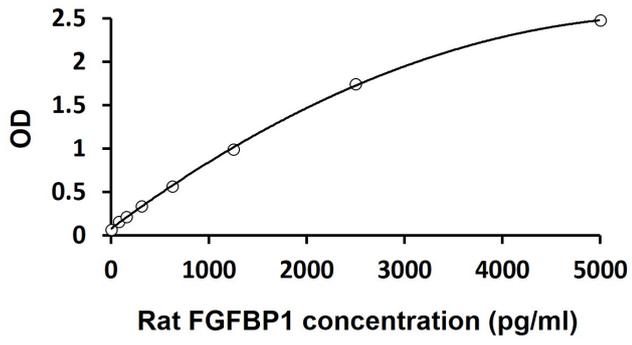
Assay Time	~ 5 hours
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Properties

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	FGFBP1
Gene Full Name	fibroblast growth factor binding protein 1
Background	This gene encodes a secreted fibroblast growth factor carrier protein. The encoded protein plays a critical role in cell proliferation, differentiation and migration by binding to fibroblast growth factors and potentiating their biological effects on target cells. The encoded protein may also play a role in tumor growth as an angiogenic switch molecule, and expression of this gene has been associated with several types of cancer including pancreatic and colorectal adenocarcinoma. A pseudogene of this gene is also located on the short arm of chromosome 4. [provided by RefSeq, Nov 2011]
Function	Acts as a carrier protein that release fibroblast-binding factors (FGFs) from the extracellular matrix (EM) storage and thus enhance the mitogenic activity of FGFs. Enhances FGF2 signaling during tissue repair, angiogenesis and in tumor growth. [UniProt]
Highlight	Related products: FGFBP1 antibodies ; FGFBP1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted, extracellular space. Cell membrane; Peripheral membrane protein. Note=Extracellular and plasma membrane-associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas. [UniProt]



ARG82100 Rat FGFBP1 ELISA Kit standard curve image

ARG82100 Rat FGFBP1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.