

ARG82397 Rat REG3A ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82397-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82397-002	Standard	2 X 10 ng/vial	4°C
ARG82397-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82397-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82397-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82397-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82397-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82397-008	25X Wash buffer	20 ml	4°C
ARG82397-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82397-010	STOP solution	10 ml (Ready to use)	4°C
ARG82397-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82397 Rat REG3A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat REG3A in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	REG3A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.8%

Alternate Names	HIP; PAP; HIP/PAP; Regenerating islet-derived protein 3-alpha; PAP-H; REG-III; Hepatointestinal pancreatic protein; PBCGF; Human proislet peptide; REG3; INGAP; Regenerating islet-derived protein III-alpha; REG-3-alpha; Reg III-alpha; PAP1; Pancreatitis-associated protein 1
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Application Instructions

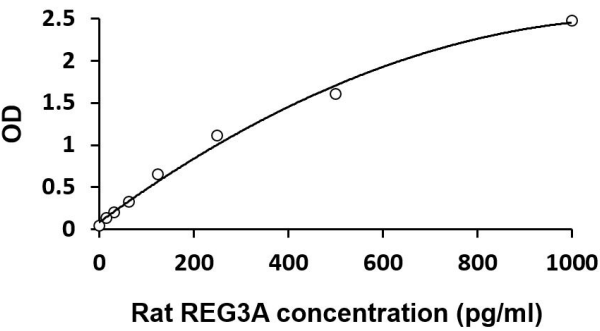
Assay Time	~ 5 hours
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Properties

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	REG3A
Gene Full Name	regenerating islet-derived 3 alpha
Background	This gene encodes a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this gene is observed during pancreatic inflammation and liver carcinogenesis. The mature protein also functions as an antimicrobial protein with antibacterial activity. Alternate splicing results in multiple transcript variants that encode the same protein.[provided by RefSeq, Nov 2014]
Function	Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway. [UniProt]
Highlight	Related products: REG3A antibodies ; REG3A ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Proteolytic processing by trypsin removes an inhibitory N-terminal propeptide and is essential for peptidoglycan binding and antibacterial activity. [UniProt]
Cellular Localization	Secreted. Note=Found in the apical region of pancreatic acinar cells. [UniProt]



ARG82397 Rat REG3A ELISA Kit standard curve image

ARG82397 Rat REG3A ELISA Kit results of a typical standard run with optical density reading at 450 nm.