

ARG81912 Mouse EREG ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81912-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81912-002	Standard	2 X 10 ng/vial	4°C
ARG81912-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81912-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81912-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81912-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81912-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81912-008	25X Wash buffer	20 ml	4°C
ARG81912-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81912-010	STOP solution	10 ml (Ready to use)	4°C
ARG81912-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81912 Mouse EREG ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse EREG in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	EREG
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl

Precision Intra-Assay CV: 5.9%; Inter-Assay CV: 6.7%

Alternate Names Proepiregulin; EPR; Ep; ER

Application Instructions

Assay Time ~ 5 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 EREG

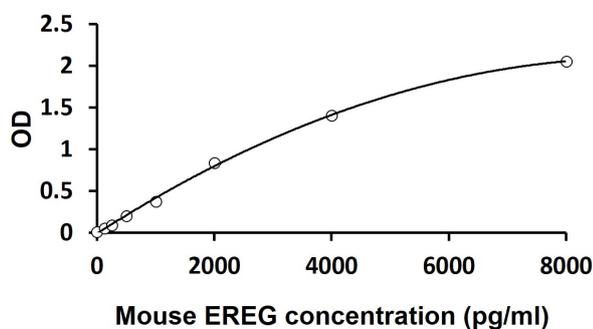
Gene Full Name epiregulin

Background This gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues. [provided by RefSeq, Jul 2015]

Function Ligand of the EGF receptor/EGFR and ERBB4. May be a mediator of localized cell proliferation. As a mitogen it may stimulate cell proliferation and/or angiogenesis. [UniProt]

Highlight Related products:
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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Images



ARG81912 Mouse EREG ELISA Kit standard curve image

ARG81912 Mouse EREG ELISA Kit results of a typical standard run with optical density reading at 450 nm.