

ARG81691 Mouse AREG / Amphiregulin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81691-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81691-002	Standard	2 X 10 ng/vial	4°C
ARG81691-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81691-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81691-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81691-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81691-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81691-008	25X Wash buffer	20 ml	4°C
ARG81691-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81691-010	STOP solution	10 ml (Ready to use)	4°C
ARG81691-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81691 Mouse AREG / Amphiregulin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse AREG / Amphiregulin 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	AREG / Amphiregulin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.2%; Inter-Assay CV: 6.5%
Alternate Names	Amphiregulin; AREGB; CRDGF; SDGF; AR; Colorectum cell-derived growth factor

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	AREG
Gene Full Name	amphiregulin
Background	The protein encoded by this gene is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). The protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells, and it inhibits the growth of certain aggressive carcinoma cell lines. It also functions in mammary gland, oocyte and bone tissue development. This gene is associated with a psoriasis-like skin phenotype, and is also associated with other pathological disorders, including various types of cancers and inflammatory conditions. [provided by RefSeq, Apr 2014]
Function	Ligand of the EGF receptor/EGFR. Autocrine growth factor as well as a mitogen for a broad range of target cells including astrocytes, Schwann cells and fibroblasts. [UniProt]
Highlight	Related products: AREG antibodies ; AREG ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images

