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# Datasheet for ABIN6719952 Amphiregulin ELISA Kit

Image



Overview

Quantity:	1 kit
Target:	Amphiregulin (AREG)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: A REG, AR AREG, Colorectum cell derived growth factor, CRDGF, MGC13647,
	OTTHUMP00000219184, Schwannoma derived growth factor, SDGF
	Background: Amphiregulin, also known as AREG, is a protein that is encoded by the AREG gene.
	The protein encoded by this gene is a member of the epidermal growth factor family. This gene
	is mapped to mouse chromosome 5. It is an autocrine growth factor as well as a mitogen
	forastrocytes, Schwann cells, fibroblasts. Amphiregulin is related to toepidermal growth
	factor(EGF) and transforming growth factor alpha(TGF-alpha). This protein interacts with the
	epidermal growth factor receptor to promote the growth of normal epithelial cells. It has been

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6719952 | 09/10/2023 | Copyright antibodies-online. All rights reserved. found that transgene integration and subsequent expression of Amphiregulin in basal keratinocytes correlated with a psoriasis-like skin phenotype, and its expression was increased in parallel with typical Th2 cytokines. Amphiregulin is also an important paracrine mediator of estrogen function specifically required for puberty-induced ductal elongation but not for any earlier or later developmental stages, and it can enhance resistance to nematodes. Gene Name: AREG Production: Natural and recombinant mouse Amphiregulin. There is no detectable crossreactivity with other relevant proteins. Standard: Expression system for standard: E.coli, Immunogen sequence: V100-A248

#### Target Details

Target:	Amphiregulin (AREG)
Alternative Name:	Amphiregulin - AR (AREG Products)
Gene ID:	11839
NCBI Accession:	NP_033834
UniProt:	P31955
Pathways:	RTK Signaling, EGFR Signaling Pathway

### Application Details

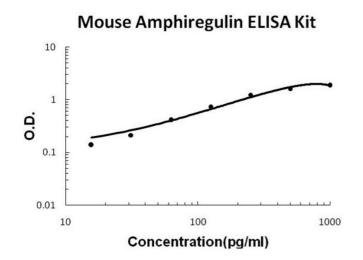
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.3pg/mL,
	15.6pg/mL mouse Amphiregulin standard solutions into the pre-coated 96-well plate. Add
	0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each
	properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to
	each empty well. We recommend that each mouse Amphiregulin standard solution and each
	sample is measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 15.6pg/mL-1000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

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#### Handling

Storage:RT,4 °C,-20 °CStorage Comment:Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at<br/>room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only<br/>prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid<br/>cycles of freezing and thawing.

#### Images



#### ELISA

Image 1. Mouse Amphiregulin/AR Accusignal ELISA KitMouse Amphiregulin/AR AccuSignal ELISA Kit standardcurve.AssayRange: 15.6pg/ml-1000pg/ml.Sensitivity: <10pg/ml.</td>