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Datasheet for ABIN6719892 Epiregulin ELISA Kit



Overview

Quantity:	1 kit
Target:	Epiregulin (EREG)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Epiregulin, EPR, ER, Ereg, EREG_HUMAN, Proepiregulin Background: Epiregulin (EPR) is a protein that in humans is encoded by the EREG gene. It is a member of the epidermal growth factor family. Epiregulin can function as a ligand of epidermal growth factor receptor (EGFR), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors. The secondary structure at the C-
	terminus epiregulin is different from other epidermal growth factor family ligands because of the lack of hydrogen bonds. The structural difference at the C-terminus may provide an

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 ABIN6719892 | 09/10/2023 | Copyright antibodies-online. All rights reserved. explanation for the reduced binding affinity of epiregulin to the ERBB receptors. Gene Name: EREG Production: Natural and recombinant human Epiregulin. There is no detectable cross-reactivity with other relevant proteins. Standard: Expression system for standard: E.coli, Immunogen sequence: V60-L108

Target Details

Target:	Epiregulin (EREG)
Alternative Name:	Epiregulin (EREG Products)
Gene ID:	2069
NCBI Accession:	NP_001423
UniProt:	014944
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin
	Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL,
	312pg/mL, 156pg/mL human Epiregulin standard solutions into the precoated 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 human cell culture supernates, serum or plasma(heparin , EDTA) to
	each empty well. It is recommended that each human Epiregulin standard solution and each
	sample be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 156pg/mL-10,000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C

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

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