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EpCAM ELISA Kit





Overview

Quantity:	1 kit
Target:	EpCAM (EPCAM)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 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: 17 1A, 323/A3, AUA1, CD326, CD326 antigen, CO 17A, CO17 1A, CO17A, DIAR5,	
	EGP2, EGP, EGP2, EGP314, EGP40, Ep CAM, Ep-CAM, EPCAM, ESA, GA733 1, GA733 2, GA733-	
	2, hEGP 2, hEGP314, HNPCC8, KS1/4, KSA, M1S 1, M1S2 ,M4S1, MIC18 MK 1 ,TACD1,	
	TACSTD1, TROP1	
	Background: Epithelial cell adhesion molecule (EpCAM) is a transmembrane glycoprotein	
	mediating Ca2+-independent homotypic cell-cell adhesion in epithelia. Also it is involved in cell	
	signaling, migration, proliferation, and differentiation. Additionally, EpCAM has oncogenic	
	potential via its capacity to upregulate c-myc, e-fabp, and cyclins A & E. Since it is expressed	

exclusively in epithelia and epithelial-derived neoplasms, EpCAM can be used as diagnostic marker for various cancers. It appears to play a role in tumorigenesis and metastasis of carcinomas, so it can also act as a potential prognostic marker and as a potential target for immunotherapeutic strategies.

Gene Name: EPCAM

Production: Natural and recombinant human EPCAM. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q24-K265

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EPCAM (EPCAM Products)
Gene ID:	4072
NCBI Accession:	NP_002345
UniProt:	P16422

Application Details

Annl	lication	Notes.

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/m human EPCAM 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 EPCAM standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 93.7pg/mL-6000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

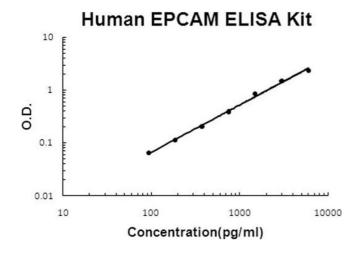
Handling

Storage: RT,4 °C,-20 °C

Storage Comment:

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.

Images



ELISA

Image 1. Human EPCAM Accusignal ELISA Kit Human EPCAM AccuSignal ELISA Kit standard curve. Assay Range: 93.7pg/ml-6000pg/ml. Sensitivity: <10pg/ml.