

Mouse Epiregulin AccuSignal ELISA Kit - KOA0841

Code: KOA0841

Size: 1 Kit

Product Description: Mouse Epiregulin AccuSignal ELISA Kit - KOA0841

PhysicalState:

Label	Unconjugated
Gene Name	EREG
Species Reactivity	Mouse
Storage Condition	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.
Synonyms	Epiregulin, EPR, ER, Ereg, EREG_HUMAN, Proepiregulin
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml mouse Epiregulin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse Epiregulin standard solution and each sample be measured in duplicate.
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 explanation for the reduced binding affinity of epiregulin to the ERBB receptors.
Purity And Specificity	Natural and recombinant mouse Epiregulin. There is no detectable cross-reactivity with other relevant proteins.
ELISA	125pg/ml-8000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: V53-L101
Anti-Coagulant	Heparin Sodium
Related Products	
	MB-008 10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
	MB-012 10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
	MB-013 10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
	MB-075-1000 10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
Related Links	
	UniProtKB - Q61521
	http://www.uniprot.org/uniprot/Q61521
	NCBI - NP_031976.1 http://www.ncbi.nlm.nih.gov/protein/NP_031976.1
	GeneID - 13874
	http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=13874
	KOA0841 Protocol http://www.rockland-inc.com/uploadedfiles/Support/KOA0841.pdf

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