

## Mouse EGFR AccuSignal ELISA Kit - KOA0866

**Code:** KOA0866

**Size:** 1 Kit

**Product Description:** Mouse EGFR AccuSignal ELISA Kit - KOA0866

### PhysicalState:

<b>Label</b>	Unconjugated
<b>Gene Name</b>	EGFR
<b>Species Reactivity</b>	Mouse
<b>Storage Condition</b>	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.
<b>Synonyms</b>	EGF R, EGFR, Epidermal growth factor receptor, erbb 1, Erbb1, erbb-1, HER1, PIG61
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse EGFR 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 EGFR standard solution and each sample be measured in duplicate.
<b>Background</b>	The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. It is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). EGFR exists on the cell surface and is activated by binding of its specific ligands, including epidermal growth factor and transforming growth factor (TGF). EGFR and its ligands are cell signaling molecules involved in diverse cellular functions, including cell proliferation, differentiation, motility, and survival, and in tissue development. Mutations that lead to EGFR overexpression (known as upregulation) or overactivity have been associated with a number of cancers, including lung cancer and glioblastoma multiforme. In this latter case a more or less specific mutation of EGFR, called EGFRVIII is often observed.
<b>Purity And Specificity</b>	Natural and recombinant mouse EGFR. There is no detectable cross-reactivity with other relevant proteins..
<b>ELISA</b>	156pg/ml-10000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: L25-S647
<b>Anti-Coagulant</b>	Heparin Sodium

### Related Products

100-401-149	Anti-EGFR (RABBIT) Antibody - 100-401-149
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

### Related Links

	UniProtKB - Q01279
	<a href="http://www.uniprot.org/uniprot/Q01279">http://www.uniprot.org/uniprot/Q01279</a>
NCBI - NP_997538.1	<a href="http://www.ncbi.nlm.nih.gov/protein/NP_997538.1">http://www.ncbi.nlm.nih.gov/protein/NP_997538.1</a>
	GeneID - 13649
	<a href="http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&amp;term=13649">http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&amp;term=13649</a>

## **Disclaimer**

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