

## Monkey EGFR Antibody Pair Set

**Catalog No.** E-KAB-0671**Applications**

ELISA

**Synonyms** ErbB-1;ErbB1;ERBB;HER1;mENA

### Kit components & Storage

Title	Specifications	Storage
Monkey EGFR Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Monkey EGFR Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

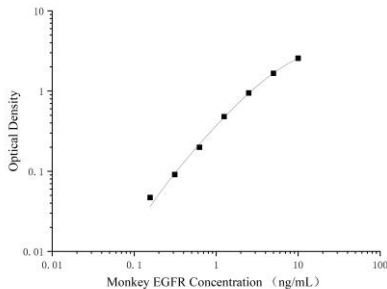
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0671)	
		Monkey EGFR Capture Antibody	Monkey EGFR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Monkey EGFR protein	Recombinant Monkey EGFR protein
	Swissprot	A0A2K5WK39	
Product details	Reactivity	Monkey	Monkey
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Monkey EGFR in ELISAs.	

## Applications

Monkey EGFR Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Monkey EGFR Capture Antibody	
ELISA Detection	1:1000-1:10000	Monkey EGFR Detection Antibody (Biotin)	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

EGFR;also named as ERBB1;is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12;encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression;including cell proliferation;apoptosis;angiogenesis;and metastatic spread. Mutations in this gene are associated with lung cancer.