

Epiregulin ELISA Kit | EREG elisa kit

Monkey primate Epiregulin PicoKine ELISA Kit

CATALOG # AAA124845	REACTIVITY Monkey There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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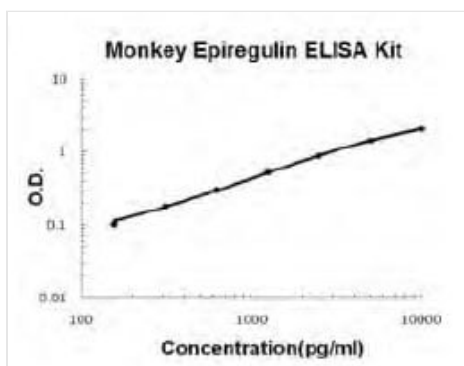
PRODUCT SYNONYMS

Epiregulin; Monkey primate Epiregulin PicoKine ELISA Kit; Proepiregulin; EPR; EREG; EREG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant 215 Monkey primate Epiregulin
Sequence Length	169
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for EREG elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EREG elisa kit	Principle of the Assay: 215 Monkey primate Epiregulin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Monkey primate Epiregulin has been precoated onto 96-well plates. Standards(E.coli, V60-L108) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Monkey primate Epiregulin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the 215 Monkey primate Epiregulin amount of sample captured in plate. 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.
Product Categories/Family for EREG elisa kit	Signal Transduction; Growth Factors/Hormones; EGF; Cancer; Tumor Biomarkers

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557567
NCBI GeneID	2069
NCBI Accession #	NP_001423.1
NCBI GenBank Nucleotide #	NM_001432.2
UniProt Accession #	O14944; Q6FH69; B2RC66
Molecular Weight	19044 MW
NCBI Official Full Name	proepiregulin preproprotein
NCBI Official Synonym Full Names	epiregulin
NCBI Official Symbol	EREG
NCBI Official Synonym Symbols	ER; Ep; EPR
NCBI Protein Information	proepiregulin
UniProt Protein Name	Proepiregulin
UniProt Gene Name	EREG
UniProt Synonym Gene Names	EPR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.