

Rat Amphiregulin (AREG) ELISA Kit | AREG elisa kit

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CATALOG #
AAA65711

REACTIVITY
Rat

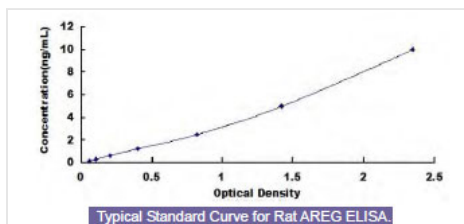
PRODUCT SYNONYMS

Amphiregulin (AREG); Rat Amphiregulin (AREG) ELISA Kit; AR; CRDGF; SDGF; Colorectum Cell-Derived Growth Factor; Schwannoma-Derived Growth Factor; AREG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AREG. No significant cross-reactivity or interference between AREG and analogues was observed.
Sequence Length	243
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	12.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AREG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AREG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AREG elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AREG in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AREG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AREG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AREG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AREG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8392917
NCBI GeneID	29183
NCBI Accession #	NP_058819.1
NCBI GenBank Nucleotide #	NM_017123.1
UniProt Accession #	P24338
Molecular Weight	26,633 Da
NCBI Official Full Name	amphiregulin preproprotein
NCBI Official Synonym Full Names	amphiregulin
NCBI Official Symbol	Areg
NCBI Protein Information	amphiregulin
UniProt Protein Name	Amphiregulin
UniProt Gene Name	Areg
UniProt Synonym Gene Names	Sdgf; AR; SDGF

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.