

Rat Amphiregulin (AREG) CLIA Kit | AREG clia kit

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CATALOG # AAA188770	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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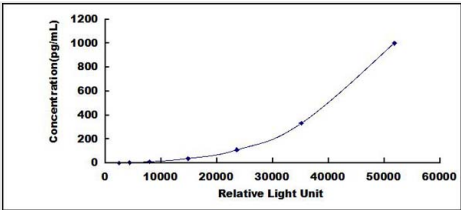
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Amphiregulin (AREG). No significant cross-reactivity or interference between Amphiregulin (AREG) and analogues was observed.
Sequence Length	243
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.37-1000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.58pg/mL
Applicable Applications for AREG clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Amphiregulin (AREG) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Amphiregulin (AREG) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Amphiregulin (AREG). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Amphiregulin (AREG). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Amphiregulin (AREG) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8392917
NCBI GeneID	29183
NCBI Accession #	NP_058819.1
NCBI GenBank Nucleotide #	NP_058819.1
UniProt Accession #	P24338
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/amphiregulin-areg/188770>