

Amphiregulin (AREG) CLIA Kit | AREG clia kit

CLIA Kit for Amphiregulin (AREG)

CATALOG #
AAA130450

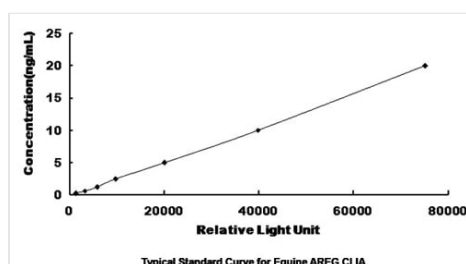
PRODUCT SYNONYMS

Amphiregulin (AREG); CLIA Kit for Amphiregulin (AREG); AREG clia kit

PRODUCT SPECIFICATIONS

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	252
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.027-20ng/mL The standard curve concentrations used for the ELISA's were 20ng/mL, 6.67ng/mL, 2.22ng/mL, 0.74ng/mL, 0.247ng/mL, 0.082ng/mL, 0.027ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.124ng/mL
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: $CV < 12\%$
Organism Species	Equus caballus; Equine (Horse)
Assay Length	4.5 hours
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)

ADDITIONAL INFORMATION

Related Product Information for AREG clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	179040
NCBI GeneID	374
UniProt Accession #	P15514; Q5U026
Molecular Weight	27,895 Da
NCBI Official Full Name	amphiregulin
NCBI Official Synonym Full Names	amphiregulin
NCBI Official Symbol	AREG
NCBI Official Synonym Symbols	AR; SDGF; CRDGF
NCBI Protein Information	amphiregulin; schwannoma-derived growth factor; colorectum cell-derived growth factor
UniProt Protein Name	Amphiregulin
UniProt Gene Name	AREG
UniProt Synonym Gene Names	SDGF; AR; CRDGF
UniProt Entry Name	AREG_HUMAN

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/clia-kits/amphiregulin-areg/130450>