

Rat Amphiregulin ELISA Kit | AREG elisa kit

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CATALOG #
AAA84297

REACTIVITY
Rat

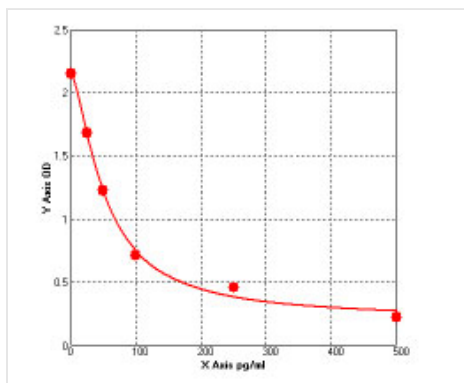
PRODUCT SYNONYMS

Amphiregulin; Rat Amphiregulin ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AREG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This KAF/AR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KAF/AR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AREG elisa kit	Principle of the Assay: AREG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AREG antibody and an AREG-HRP conjugate. The assay sample and buffer are incubated together with AREG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AREG concentration since AREG from samples and AREG-HRP conjugate compete for the anti-AREG antibody binding site. Since the number of sites is limited, as more sites are occupied by AREG from the sample, fewer sites are left to bind AREG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AREG concentration in each sample is interpolated from this standard curve. Intended Uses: This AREG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AREG. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for AREG elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	179040
NCBI GeneID	374
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; AREGB; CRDGF
NCBI Protein Information	amphiregulin; amphiregulin B; schwannoma-derived growth factor; colorectum cell-derived growth factor
UniProt Protein Name	Amphiregulin
UniProt Gene Name	AREG
UniProt Synonym Gene Names	SDGF AREGB; 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/areg-rat-elisa-kits/amphiregulin/84297>