

Rabbit Amphiregulin ELISA Kit | AREG elisa kit

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CATALOG #
AAA84645

REACTIVITY
Rabbit

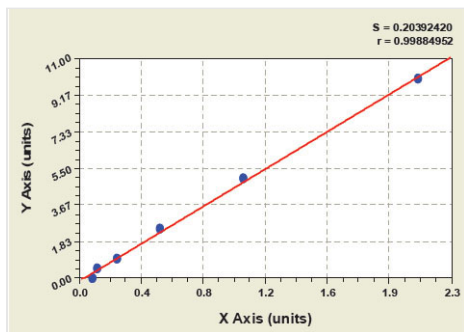
PRODUCT SYNONYMS

Amphiregulin; Rabbit Amphiregulin ELISA Kit; AREG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AREG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit AREG. 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AREG. Standards or samples are then added to the microtiter plate wells and AREG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AREG present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for AREG are added to each well to "sandwich" the AREG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AREG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.