

Rat Agrin ELISA Kit | AGRIN elisa kit

Rat Agrin PicoKine ELISA Kit

CATALOG #
AAA125022

REACTIVITY
Rat

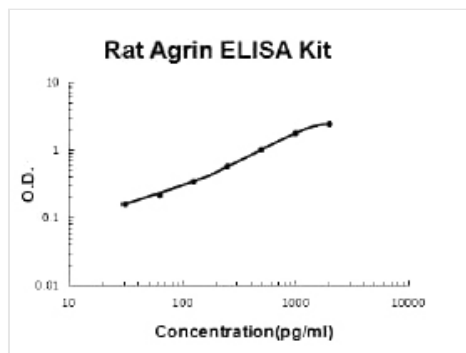
PRODUCT SYNONYMS

Agrin; Rat Agrin PicoKine ELISA Kit; Rat Agrin; AGRIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rabbit TGFB1
Sequence Length	2068
Samples	Cell Culture Supernates, Serum, Plasma(Edta) And Urine
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGRIN elisa kit	Principle of the Assay: The Picokine Rabbit TGFB1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rabbit TGFB1 with a 96-well strip plate that is pre-coated with antibody specific for TGFB1. The detection antibody is a biotinylated antibody specific for TGFB1. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rabbit TGFB1 with immunogen: Expression system for standard: CHO; Immunogen sequence: A279-S390. The kit is analytically validated with ready to use reagents. To measure Rabbit TGFB1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rabbit TGFB1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rabbit TGFB1 in the sample!!Background/Introduction: Transforming growth factor-beta1(TGF-beta1) is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. Many cells synthesize TGF-beta and essentially all of them have specific receptors for this peptide. TGF-beta regulates the actions of many other peptide growth factors and determines a positive or negative direction of their effects.TGFBeta1 is known for its potent and diverse biological effects, including immune regulation, and cell growth and differentiation.TGFBeta1 is also an important mediator of bone remodeling.TGFBeta1, a potent keratinocyte growth inhibitor, has been shown to be overexpressed in keratinocytes in certain inflammatory skin diseases and has been thought to counteract the effects of other growth factors at the site of inflammation.TGF-beta1, a multifunctional cytokine with fibrogenic properties, has been implicated in the pathogenesis of the vascular and target organ complications of hypertension. TGF-beta1 may also regulate blood pressure via stimulation of endothelin-1 and/or renin secretion. TGFBeta1 is secreted as a latent form, which consists of its mature form and a latency-associated peptide(beta1-LAP) in either the presence or the absence of additional latent TGF-beta1-binding protein. The standard product used in this kit is recombinant TGFBeta1 with the molecular mass of 25KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	765826147
NCBI GeneID	375790
NCBI Accession #	NP_001292204.1
NCBI GenBank Nucleotide #	NM_001305275.2
UniProt Accession #	O00468
NCBI Official Full Name	agrin isoform 1
NCBI Official Synonym Full Names	agrin
NCBI Official Symbol	AGRN
NCBI Official Synonym Symbols	CMS8; AGRIN; CMSPPD
NCBI Protein Information	agrin

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-elisa-kits/agrin/125022>