Rat Agrin (AGRN) ELISA Kit

Catalog No: #EK7789

Package Size: #EK7789-1 48T #EK7789-2 96T

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Description

Product Name	Rat Agrin (AGRN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	RP11-54O7.13; FLJ45064; agrin proteoglycan
Accession No.	P25304
Uniprot	P25304
GeneID	25592;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:19.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate AGRN in samples. An antibody specific for AGRN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAGRN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGRN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGRN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Agrin is a large proteoglycan whose best characterised role is in the development of the neuromuscular junction during embryogenesis. Agrin is named based on its involvement in the aggregation of acetylcholine receptors during synaptogenesis. This protein has nine domains homologous to protease inhibitors. It may also have functions in other tissues and during other stages of development.

It is major proteoglycan component in glomerular basement membrane and may play a role in the renal filtration and cell-matrix interactions.This protein binds to several receptors on the surface of skeletal muscle. The receptor which seems to be required for formation of the neuromuscular junction (NMJ) is called the MuSK receptor (Muscle specific kinase).

Note: This product is for in vitro research use only