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# Datasheet for ABIN625443

# **AGRN ELISA Kit**





### Overview

Quantity:	96 tests
Target:	AGRN
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.06-50 ng/mL
Minimum Detection Limit:	0.06 ng/mL
Application:	ELISA
Product Details	
Purpose:	Rat Agrin ELISA Kit for Cell Culture Supernatants, Heparin and/or EDTA treated plasma, and Serum samples. Citrate is not recommended.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes rat Agrin.
Sensitivity:	0.06 ng/mL
Characteristics:	<ul> <li>Strip plates and additional reagents allow for use in multiple experiments</li> <li>Quantitative protein detection</li> <li>Establishes normal range</li> <li>The best products for confirmation of antibody array data</li> </ul>

### **Product Details**

#### Components:

- Pre-Coated 96-well Strip Microplate
- · Wash Buffer
- · Stop Solution
- Assay Diluent(s)
- · Lyophilized Standard
- · Biotinylated Detection Antibody
- · Streptavidin-Conjugated HRP
- TMB One-Step Substrate

### Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- · Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

### **Target Details**

Target:	AGRN
Alternative Name:	Agrin (AGRN Products)
Background:	Gene Names: Agrin Agrin  Protein names: Agrin [Cleaved into: Agrin N-terminal 110 kDa subunit, Agrin C-terminal 110 kDa subunit, Agrin C-terminal 90 kDa fragment (C90), Agrin C-terminal 22 kDa fragment (C22)]
Gene ID:	25592
UniProt:	P25304
Pathways:	Glycosaminoglycan Metabolic Process, Regulation of Muscle Cell Differentiation, Skeletal  Muscle Fiber Development

## **Application Details**

Application Notes:	Recommended Dilution for serum and plasma samples2 fold
Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.

- 2. Add 100 µL of standard or sample to each well.
- 3. Incubate 2.5 h at RT or O/N at 4 °C.
- 4. Add 100 µL of prepared biotin antibody to each well.
- 5. Incubate 1 h at RT.
- 6. Add 100 µL of prepared Streptavidin solution to each well.
- 7. Incubate 45 min at RT.
- 8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
- 9. Incubate 30 min at RT.
- 10. Add 50 µL of Stop Solution to each well.
- 11. Read at 450 nm immediately.

Sample Preparation:

Collect plasma using EDTA and/or Heparin as the anticoagulant. Citrate is not recommended.

Restrictions:

For Research Use only

## Handling

Storage:	-20 °C
Storage:	-20 C

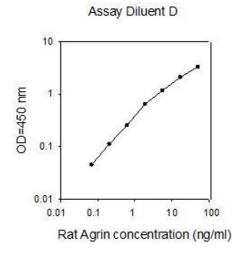
Storage Comment:

The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

**Expiry Date:** 

6 months

#### **Images**



#### **ELISA**

Image 1.