

# Rat Proline-rich membrane anchor 1 (PRIMA1) ELISA Kit

Catalog No: #EK8275

Package Size: #EK8275-1 48T #EK8275-2 96T

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## Description

Product Name	Rat Proline-rich membrane anchor 1 (PRIMA1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	PRIMA; OTTHUMP00000180666 acetylcholinesterase membrane anchor precursor PRiMA
Accession No.	D3ZZP4
Uniprot	D3ZZP4
GeneID	690195;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

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 PRIMA1 in samples. An antibody specific for PRIMA1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRIMA1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRIMA1 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 PRIMA1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:As a tetramer, acetylcholinesterase (AChE) is anchored to the basal lamina of the neuromuscular junction and to the membrane of neuronal synapses. collagen Q (ColQ) anchors AChE at the neuromuscular junction.PRIMA (proline-rich membrane anchor) encoding the AChE anchor in mammalian brain.

PRiMA is able to organize AChE into tetramers and to anchor them at the surface of transfected cells. AChE is actually anchored in neural cell membranes through its interaction with PRiMA. PRiMA anchors AChE in mammalian brain and muscle cell membranes. Required to anchor acetylcholinesteras

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Note: This product is for in vitro research use only