

# Rat Transmembrane and ubiquitin-like domain-containing protein 2 (TMUB2) ELISA Kit

Catalog No: #EK6291

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Package Size: #EK6291-1 48T #EK6291-2 96T

## Description

Product Name	Rat Transmembrane and ubiquitin-like domain-containing protein 2 (TMUB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	FP2653; MGC3123;
Accession No.	Q4FZV7
Uniprot	Q4FZV7
GeneID	303567;
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 TMUB2 in samples. An antibody specific for TMUB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMUB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMUB2 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 TMUB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TMUB2, Contains 1 ubiquitin-like domain. Ubiquitin is a small protein that exists in all eukaryotic cells. It performs its myriad functions through conjugation to a large range of target proteins. A variety of different modifications can occur. The ubiquitin protein itself consists of 76 amino acids and has a molecular mass of about 8.5 kDa. Key features include its C-terminal tail and the 7 Lys residues. It is highly conserved among eukaryotic species: Human and yeast ubiquitin share 96% sequence identity. Some ubiquitin-like (UBL) domain-containing proteins are known to play roles in receptor trafficking. Alpha-amino-3-hydroxy-5-methyl-4-isoxazo?lepropionic acid receptors (AMPA) undergo constitutive cycling between the intracellular compartment and the cell surface in the central nervous system.

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Note: This product is for in vitro research use only