

# Human Cell cycle control protein 50A (TMEM30A) ELISA Kit

Catalog No: #EK6402

Package Size: #EK6402-1 48T #EK6402-2 96T

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## Description

Product Name	Human Cell cycle control protein 50A (TMEM30A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	C6orf67; CDC50A; FLJ10856;
Accession No.	Q9NV96
Uniprot	Q9NV96
GeneID	55754;
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:0.156-10 ng/mL

Sensitivity:0.063 ng/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 TMEM30A in samples. An antibody specific for TMEM30A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMEM30A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM30A 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 TMEM30A bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Antitumor alkylphospholipids initiate apoptosis in transformed HL-60 and Jurkat cells while sparing their progenitors. 1-O-Alkyl-2-carboxymethyl-sn-glycero-3-phosphocholine (Edelfosine) like other short-chained phospholipids--inflammatory platelet-activating factor (PAF) and apoptotic oxidatively truncated phospholipids--are proposed to have intracellular sites of action, yet a conduit for these choline phospholipids into mammalian cells is undefined. Edelfosine is also accumulated by Saccharomyces cerevisiae in a process requiring the membrane protein Lem3p, and the human genome contains a Lem3p homolog TMEM30a. Import of choline phospholipids into S. cerevisiae δLem3 is partially reconstituted by human TMEM30a and by Lem3p-TMEM30a chimeras, showing the proteins are orthologous.

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Note: This product is for in vitro research use only