

## Human Cell Cycle Control Protein 50A (TMEM30A) ELISA Kit | TMEM30A elisa kit

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CATALOG #  
**AAA330499**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

Cell Cycle Control Protein 50A (TMEM30A); Human Cell Cycle Control Protein 50A (TMEM30A) ELISA Kit; TMEM30A; C6orf67; CDC50A; FLJ10856; TMEM30A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Cell cycle control protein 50A (TMEM30A) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMEM30A. No significant cross-reactivity or interference between Human TMEM30A and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Length         | 325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

Fig.1. Human Cell cycle control protein 50A (TMEM30A) Standard Curve.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for TMEM30A elisa kit | <p>Description: This Human Cell cycle control protein 50A (TMEM30A) ELISA Kit 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 any TMEM30A 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.</p> <p>Background: 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 deltaLem3 is partially reconstituted by human TMEM30a and by Lem3p-TMEM30a chimeras, showing the proteins are orthologous.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------------------------------|
| NCBI GI #                        | 221139888                                |
| NCBI GeneID                      | 55754                                    |
| NCBI Accession #                 | NP_001137430.1                           |
| NCBI GenBank Nucleotide #        | NP_001137430.1                           |
| UniProt Accession #              | Q9NV96                                   |
| NCBI Official Full Name          | cell cycle control protein 50A isoform 2 |
| NCBI Official Synonym Full Names | transmembrane protein 30A                |
| NCBI Official Symbol             | TMEM30A                                  |
| NCBI Official Synonym Symbols    | CDC50A; C6orf67                          |
| NCBI Protein Information         | cell cycle control protein 50A           |
| UniProt Protein Name             | Cell cycle control protein 50A           |
| UniProt Gene Name                | TMEM30A                                  |
| UniProt Synonym Gene Names       | C6orf67; CDC50A                          |
| UniProt Entry Name               | CC50A_HUMAN                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.