

Human Transmembrane Protein 54 (TMEM54) ELISA Kit | TMEM54 elisa kit

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CATALOG #
AAA330498

REACTIVITY
Human

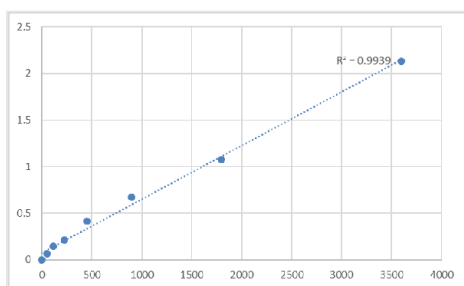
PRODUCT SYNONYMS

Transmembrane Protein 54 (TMEM54); Human Transmembrane Protein 54 (TMEM54) ELISA Kit; TMEM54; BCLP; CAC-1; CAC1; MGC10137; beta-casein-like protein; TMEM54 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transmembrane protein 54 (TMEM54) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMEM54. No significant cross-reactivity or interference between Human TMEM54 and analogues was observed.
Sequence Length	222
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Transmembrane protein 54 (TMEM54) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMEM54 elisa kit	Description: This Human Transmembrane protein 54 (TMEM54) ELISA Kit employs a two-site sandwich ELISA to quantitate TMEM54 in samples. An antibody specific for TMEM54 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM54 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM54 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 TMEM54 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Ubiquitously expressed in cancer cell lines. Cloning and characterization of a cDNA fragment coding beta-casein-like protein preferentially expressed in cervical adenocarcinoma cell line CAC-1. One of eight new monoclonal antibodies generated, 12G2, specifically reacted not only with beta-casein, but also with human cervical adenocarcinoma cell line CAC-1. To identify the gene encoding the putative protein (BCLP) defined by monoclonal antibody (mAb) 12G2, a complementary DNA library was constructed. the inserted cDNA fragment that showed high homology to reported DNA sequences of unknown function in normal human placenta. BCLP was overexpressed or changed its structure by carcinogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15723380
NCBI GeneID	113452
NCBI Accession #	NP_277039.1
NCBI GenBank Nucleotide #	NP_277039.1
UniProt Accession #	Q969K7
NCBI Official Full Name	transmembrane protein 54 isoform 2
NCBI Official Synonym Full Names	transmembrane protein 54
NCBI Official Symbol	TMEM54
NCBI Official Synonym Symbols	BCLP; CAC1; CAC-1
NCBI Protein Information	transmembrane protein 54
UniProt Protein Name	Transmembrane protein 54
UniProt Gene Name	TMEM54
UniProt Synonym Gene Names	BCLP; CAC1
UniProt Entry Name	TMM54_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/transmembrane-protein-54-tmем54/330498>