

Human Collectrin (TMEM27) ELISA Kit | TMEM27 elisa kit

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CATALOG #
AAA244314

REACTIVITY
Human

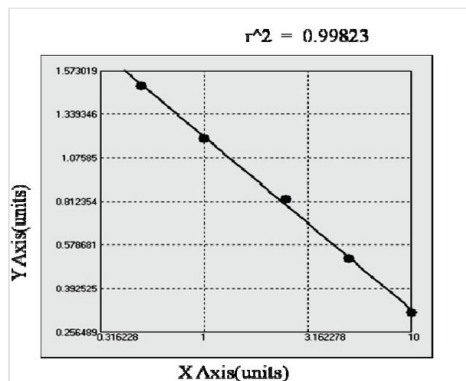
PRODUCT SYNONYMS

Collectrin (TMEM27); Human Collectrin (TMEM27) ELISA Kit; TMEM27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TMEM27 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TMEM27. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM27 elisa kit

Principle of the assay: TMEM27 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TMEM27 antibody and an TMEM27-HRP conjugate. The assay sample and buffer are incubated together with TMEM27-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TMEM27 concentration since TMEM27 from samples and TMEM27-HRP conjugate compete for the anti-TMEM27 antibody binding site. Since the number of sites is limited, as more sites are occupied by TMEM27 from the sample, fewer sites are left to bind TMEM27-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TMEM27 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15042969
NCBI GeneID	57393
NCBI Accession #	NP_065716.1
NCBI GenBank Nucleotide #	NM_020665.5
Molecular Weight	25,235 Da
NCBI Official Full Name	collectrin
NCBI Official Synonym Full Names	transmembrane protein 27
NCBI Official Symbol	TMEM27
NCBI Official Synonym Symbols	NX17; NX-17
NCBI Protein Information	collectrin; kidney-specific membrane protein
UniProt Protein Name	Collectrin
UniProt Gene Name	TMEM27
UniProt Synonym Gene Names	UNQ679/PRO1312
UniProt Entry Name	TMM27_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.