

Mouse Collectrin (TMEM27) ELISA Kit | TMEM27 elisa kit

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CATALOG #
AAA246054

REACTIVITY
Mouse

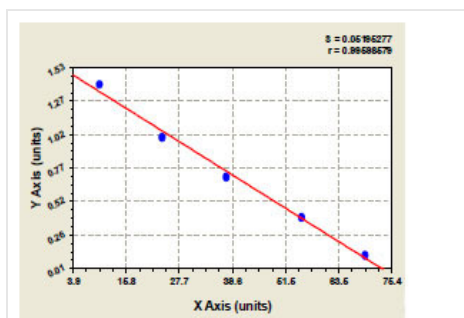
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM27 elisa kit

Intended Uses: This TMEM27 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TMEM27. This ELISA kit for research use only!

Principle of the Assay: TMEM27 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal 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.

Product Categories/Family for TMEM27 elisa kit

Signal Transduction

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/collectrin-tm27/246054>