

Mouse Transient Receptor Potential Cation Channel Subfamily M, Member 7 ELISA Kit | TRPM7 elisa kit

Mouse Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189986

REACTIVITY
Mouse

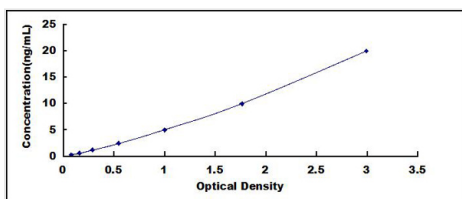
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily M; Member 7; Mouse Transient Receptor Potential Cation Channel Subfamily M; Member 7 (TRPM7) (Sandwich ELISA) ELISA Kit; CHAK; CHAK1; LTRPC7; TRP-PLIK; Channel-kinase 1; Long transient receptor potential channel 7; ELISA Kit for Transient Receptor Potential Cation Channel Subfamily M; Member 7 (TRPM7); TRPM7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7). No significant cross-reactivity or interference between Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7) and analogues was observed. Reactive with Mouse TRPM7 / Transient Receptor Potential Cation Channel Subfamily M, Member 7
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.121ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for TRPM7 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for TRPM7 elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TRPM7 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	256773287
NCBI GeneID	58800
NCBI Accession #	NP_001157797.1
NCBI GenBank Nucleotide #	NM_001164325.1
UniProt Accession #	Q923J1; Q8C7S7; Q8CE54; Q921Y5; Q925B2; Q9CUT2; Q9JLQ1; A2AI58
Molecular Weight	212,399 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 7 isoform 2
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 7
NCBI Official Symbol	Trpm7
NCBI Official Synonym Symbols	CHAK; CHAK1; Ltp7; Ltrpc7; LTrpC-7; TRPPLIK; 2310022G15Rik; 4833414K03Rik; 5033407O22Rik
NCBI Protein Information	transient receptor potential cation channel subfamily M member 7
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 7
UniProt Gene Name	Trpm7
UniProt Synonym Gene Names	Chak; Ltrpc7; LTrpC-7; LTrpC7; TRP-PLIK

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.