

Mouse Transient Receptor Potential Cation Channel Subfamily V, Member 1 (TRPV1) ELISA Kit | TRPV1 elisa kit

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CATALOG # AAA66780	REACTIVITY Mouse
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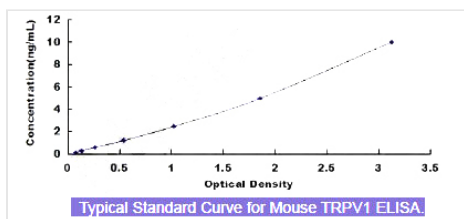
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily V; Member 1 (TRPV1); Mouse Transient Receptor Potential Cation Channel Subfamily V; Member 1 (TRPV1) ELISA Kit; VR1; OTRPC1; Vanilloid Receptor Subtype 1; Capsaicin receptor; Osm-9-like TRP channel 1; Vanilloid receptor 1; TRPV1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TRPV1. No significant cross-reactivity or interference between TRPV1 and analogues was observed.
Sequence Length	839
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TRPV1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TRPV1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRPV1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TRPV1 in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TRPV1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TRPV1. 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 TRPV1, 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 TRPV1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47825364
NCBI GeneID	193034
NCBI Accession #	NP_001001445.1
NCBI GenBank Nucleotide #	NM_001001445.2
UniProt Accession #	Q704Y3; Q5SSE1; Q5SSE2; Q5SSE4; Q5WVP5; Q68SW0
Molecular Weight	93,941 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 1
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 1
NCBI Official Symbol	Trpv1
NCBI Official Synonym Symbols	Vr1; VR-1; OTRPC1; TRPV1beta; TRPV1alpha
NCBI Protein Information	transient receptor potential cation channel subfamily V member 1
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 1
UniProt Gene Name	Trpv1
UniProt Synonym Gene Names	TrpV1; OTRPC1

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://stage.aaabiotech.com/mouse-elisa-kits/transient-receptor-potential-cation-channel-subfamily-v-member-1-trpv1/66780>