

Human transient receptor potential cation channel, subfamily V, member 4 ELISA Kit | TRPV4 elisa kit

Human transient receptor potential Cation channel subfamily V member 4, TrpV4 ELISA Kit

CATALOG #
AAA15019

REACTIVITY
Human

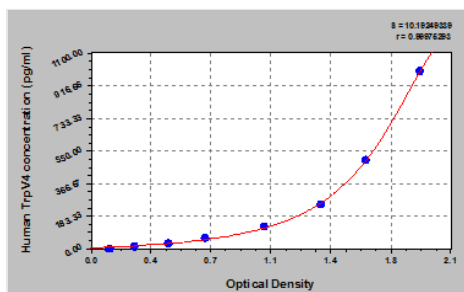
PRODUCT SYNONYMS

transient receptor potential cation channel; subfamily V; member 4; Human transient receptor potential Cation channel subfamily V member 4; TrpV4 ELISA Kit; Human transient receptor potential cation channel subfamily V member 4 (TrpV4) ELISA Kit; OTRPC4; TRP12; VR-OAC; VRL-2; VRL2; VROAC; OSM9-like transient receptor potential channel 4; osmosensitive transient receptor potential channel 4; transient receptor potential channel 12; vanilloid rec; TRPV4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TRPV2. No significant cross-reactivity or interference between human TRPV2 and analogues was observed.
Sequence Length	824
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates
Assay Type	Quantitative Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	6.25 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRPV4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TRPV2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRPV2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPV2 is added to the wells. After washing, avidin 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 TRPV2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	294459965
NCBI GeneID	59341
NCBI Accession #	NP_001170899.1
NCBI GenBank Nucleotide #	NM_001177428.1
UniProt Accession #	Q9HBA0; Q17R79; Q2Y122; Q2Y123; Q2Y124; Q86YZ6; Q8NDY7; Q8NG64; Q96Q92; Q96RS7; Q9HBC0; B7ZKQ6
Molecular Weight	98,281 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 4 isoform e
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 4
NCBI Official Symbol	TRPV4
NCBI Official Synonym Symbols	SMAL; VRL2; CMT2C; SPSMA; TRP12; VROAC; HMSN2C; OTRPC4; SSQTL1
NCBI Protein Information	transient receptor potential cation channel subfamily V member 4; osm-9-like TRP channel 4; vanilloid receptor-like channel 2; transient receptor potential protein 12; OSM9-like transient receptor potential channel 4; osmosensitive transient receptor potential channel 4; vanilloid receptor-related osmotically activated channel
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 4
UniProt Gene Name	TRPV4
UniProt Synonym Gene Names	VRL2; VROAC; TrpV4; OTRPC4; TRP12; VRL-2; VR-OAC
UniProt Entry Name	TRPV4_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.