

Human Transient Receptor Potential Cation Channel Subfamily V Member 3 (TRPV3) ELISA Kit | TRPV3 elisa kit

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CATALOG #
AAA330351

REACTIVITY
Human

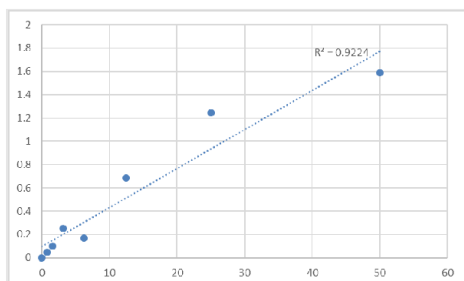
PRODUCT SYNONYMS

Transient Receptor Potential Cation Channel Subfamily V Member 3 (TRPV3); Human Transient Receptor Potential Cation Channel Subfamily V Member 3 (TRPV3) ELISA Kit; TRPV3; VRL3; vanilloid receptor 3; vanilloid receptor-related osmotically activated channel protein; TRPV3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transient receptor potential cation channel subfamily V member 3 (TRPV3) ELISA Kit has high sensitivity and excellent specificity for detection of Human TRPV3. No significant cross-reactivity or interference between Human TRPV3 and analogues was observed.
Sequence Length	790
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Transient receptor potential cation channel subfamily V member 3 (TRPV3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRPV3 elisa kit	Description: This Human Transient receptor potential cation channel subfamily V member 3 (TRPV3) ELISA Kit employs a two-site sandwich ELISA to quantitate TRPV3 in samples. An antibody specific for TRPV3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRPV3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPV3 is added to the wells. After washing, Streptavidin 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 TRPV3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The TRPV3 protein belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. The gene lies in close proximity to another family member (TRPV1) gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels. The TRPV3 channel is widely expressed in the human body, especially in the skin in keratinocytes, but also in the brain. It functions as a molecular sensor for innocuous warm temperatures.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62901456
NCBI GeneID	162514
UniProt Accession #	Q8NET8
NCBI Official Full Name	Transient receptor potential cation channel subfamily V member 3
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily V member 3
NCBI Official Symbol	TRPV3
NCBI Official Synonym Symbols	OLMS; VRL3; FNEPPK2
NCBI Protein Information	transient receptor potential cation channel subfamily V member 3
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 3
UniProt Gene Name	TRPV3
UniProt Synonym Gene Names	TrpV3; VRL-3
UniProt Entry Name	TRPV3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/transient-receptor-potential-cation-channel-subfamily-v-member-3-trpv3/330351>