

Human transient receptor potential cation channel, subfamily V, member 1 ELISA Kit | TRPV1 elisa kit

Human transient receptor potential Cation channel subfamily V member 1, TrpV1 ELISA Kit

CATALOG # AAA15589	REACTIVITY Human
------------------------------	----------------------------

PRODUCT SYNONYMS

transient receptor potential cation channel; subfamily V; member 1; Human transient receptor potential Cation channel subfamily V member 1; TrpV1 ELISA Kit; Human transient receptor potential cation channel subfamily V member 1 (TrpV1) ELISA Kit; DKFZp434K0220; VR1; capsaicin receptor; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b; vanilloid receptor subtype 1; TRPV1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TrpV1. No significant cross-reactivity or interference between human TrpV1 and analogues was observed.
Sequence Length	839
Samples	Serum, plasma, tissue homogenates, cell lysates.
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of human TrpV1 is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Assay Type	Sandwich
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 TRPV1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TrpV1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TrpV1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TrpV1 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 TrpV1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	74315350
NCBI GeneID	7442
NCBI Accession #	NP_061197.4
NCBI GenBank Nucleotide #	NM_018727.5
UniProt Accession #	Q8NER1; Q9H0G9; Q9H303; Q9H304; Q9NQ74; Q9NY22; A2RUA9
Molecular Weight	94,956 Da
NCBI Official Full Name	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	VR1; TrpV1; OTRPC1
UniProt Entry Name	TRPV1_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/trpv1-human-elisa-kits/transient-receptor-potential-cation-channel-subfamily-v-member-1/15589>