

Sheep Transient receptor potential cation channel, subfamily V, member 1 ELISA Kit | TRPV1 elisa kit

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CATALOG #
AAA94194

REACTIVITY
Sheep

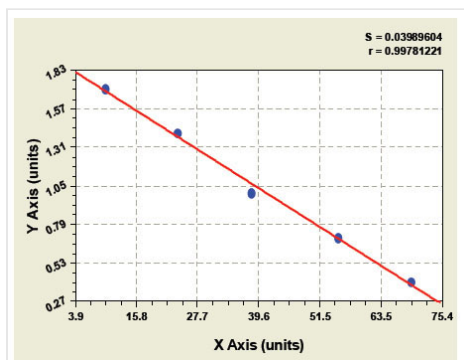
PRODUCT SYNONYMS

Transient receptor potential cation channel; subfamily V; member 1; Sheep Transient receptor potential cation channel; member 1 ELISA Kit; TRPV1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This TRPV1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TRPV1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRPV1 elisa kit	Intended Uses: This TRPV1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TRPV1. This ELISA kit for research use only! Principle of the Assay: TRPV1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TRPV1 antibody and an TRPV1-HRP conjugate. The assay sample and buffer are incubated together with TRPV1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TRPV1 concentration since TRPV1 from samples and TRPV1-HRP conjugate compete for the anti-TRPV1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TRPV1 from the sample, fewer sites are left to bind TRPV1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TRPV1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TRPV1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	74315354
NCBI GeneID	7442
NCBI Accession #	NP_542437.2
NCBI GenBank Nucleotide #	NM_080706.3
Molecular Weight	94,956 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
NCBI Protein Information	transient receptor potential cation channel subfamily V member 1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b
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.

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Online datasheet: <https://stage.aaabiotech.com/trpv1-sheep-elisa-kits/transient-receptor-potential-cation-channel-subfamily-v-member-1/94194>