

Human Twinfilin-1 (TWF1) ELISA Kit | TWF1 elisa kit

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CATALOG #
AAA330339

REACTIVITY
Human

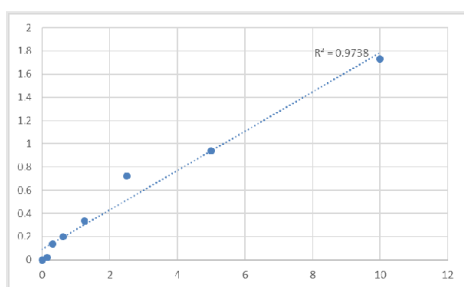
PRODUCT SYNONYMS

Twinfilin-1 (TWF1); Human Twinfilin-1 (TWF1) ELISA Kit; TWF1; A6; MGC23788; MGC41876; PTK9; A6 protein tyrosine kinase; PTK9 protein tyrosine kinase 9; protein tyrosine kinase 9; twinfilin 1; TWF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Twinfilin-1 (TWF1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TWF1. No significant cross-reactivity or interference between Human TWF1 and analogues was observed.
Sequence Length	357
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 Twinfilin-1 (TWF1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TWF1 elisa kit	Description: This Human Twinfilin-1 (TWF1) ELISA Kit employs a two-site sandwich ELISA to quantitate TWF1 in samples. An antibody specific for TWF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TWF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TWF1 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 TWF1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TWF1 encodes twinfilin, an actin monomer-binding protein conserved from yeast to mammals. Studies of the mouse counterpart suggest that this protein may be an actin monomer-binding protein, and its localization to cortical G-actin-rich structures may be regulated by the small GTPase RAC1. The deduced 350-amino acid protein has a calculated molecular mass of 40.3 kD. TWF1 has an N-myristoylation site and several sites for threonine, serine, and tyrosine phosphorylation, but it lacks a conserved protein kinase catalytic domain. Northern blot analysis detected a 3.4-kb transcript that was highly expressed in colon, testis, uterus, ovary, prostate, and lung. Lower expression was detected in brain, bladder, and heart, and no expression was detected in liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	334848198
NCBI GeneID	5756
NCBI Accession #	NP_001229326.1
NCBI GenBank Nucleotide #	NP_001229326.1
UniProt Accession #	Q12792
NCBI Official Full Name	twinfilin-1 isoform 1
NCBI Official Synonym Full Names	twinfilin actin binding protein 1
NCBI Official Symbol	TWF1
NCBI Official Synonym Symbols	A6; PTK9
NCBI Protein Information	twinfilin-1
UniProt Protein Name	Twinfilin-1
UniProt Gene Name	TWF1
UniProt Synonym Gene Names	PTK9
UniProt Entry Name	TWF1_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.