

Mouse Secreted Phosphoprotein 24 (SPP2) ELISA Kit | SPP24 elisa kit

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CATALOG #
AAA332255

REACTIVITY
Mouse

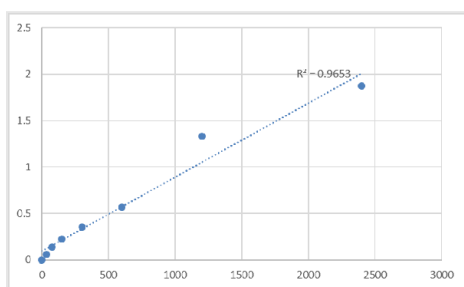
PRODUCT SYNONYMS

Secreted Phosphoprotein 24 (SPP2); Mouse Secreted Phosphoprotein 24 (SPP2) ELISA Kit; SPP2; OTTHUMP00000065382; secreted phosphoprotein 24; SPP24 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Secreted phosphoprotein 24 (SPP2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPP2. No significant cross-reactivity or interference between Mouse SPP2 and analogues was observed.
Sequence Length	203
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. Mouse Secreted phosphoprotein 24 (SPP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPP24 elisa kit	Description: This Mouse Secreted phosphoprotein 24 (SPP2) ELISA Kit employs a two-site sandwich ELISA to quantitate SPP2 in samples. An antibody specific for SPP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPP2 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 SPP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Sphingosine-1-phosphate (S1P) is a bioactive sphingolipid metabolite that regulates diverse biologic processes. SGPP2 catalyzes the degradation of S1P. The deduced 399-amino acid protein has a calculated molecular mass of 44.7 kD and shares 39.3% amino acid identity with SGPP1. SGPP2 has an N-terminal hydrophobic region, 3 conserved phosphatase-family motifs, and is predicted to be an integral membrane protein with as many as 9 membrane-spanning segments. Immunofluorescence microscopy showed a reticular staining pattern in the perinuclear and cytosolic regions of HEK293 cells, and SGPP2 colocalized with an endoplasmic reticulum antibody. Northern blot analysis of human tissues detected a 5.1-kb transcript with high expression in kidney and heart, followed by brain, colon, lung, and small intestine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15082218
NCBI GeneID	75396
NCBI Accession #	NP_083545.1
NCBI GenBank Nucleotide #	NP_083545.1
UniProt Accession #	Q8K1I3
NCBI Official Full Name	secreted phosphoprotein 24
NCBI Official Synonym Full Names	secreted phosphoprotein 2
NCBI Official Symbol	Spp2
NCBI Official Synonym Symbols	pp-24; spp24; 0610038O04Rik
NCBI Protein Information	secreted phosphoprotein 24
UniProt Protein Name	Secreted phosphoprotein 24
UniProt Gene Name	Spp2
UniProt Synonym Gene Names	Spp24; Spp-24
UniProt Entry Name	SPP24_MOUSE

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.