

Human Metalloreductase STEAP2 (STEAP2) ELISA Kit | STEAP2 elisa kit

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CATALOG #
AAA330601

REACTIVITY
Human

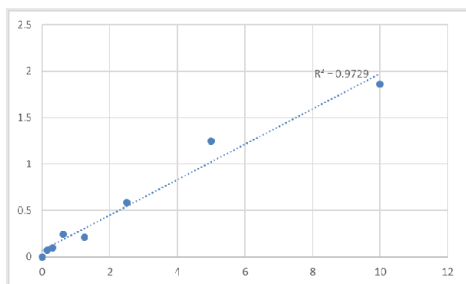
PRODUCT SYNONYMS

Metalloreductase STEAP2 (STEAP2); Human Metalloreductase STEAP2 (STEAP2) ELISA Kit; STEAP2; IPCA1; PCANAP1; PUMPCn; STAMP1; STMP; OTTHUMP00000067572; OTTHUMP00000067575; SixTransMembrane Protein of Prostate 1; prostate cancer associated protein 1; protein upregulated in metastatic prostate can; STEAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Metalloreductase STEAP2 (STEAP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human STEAP2. No significant cross-reactivity or interference between Human STEAP2 and analogues was observed.
Sequence Length	490
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 Metalloreductase STEAP2 (STEAP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STEAP2 elisa kit	Description: This Human Metalloreductase STEAP2 (STEAP2) ELISA Kit employs a two-site sandwich ELISA to quantitate STEAP2 in samples. An antibody specific for STEAP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STEAP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STEAP2 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 STEAP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STEAP2 is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The deduced 490-amino acid protein contains a 6-transmembrane domain in its C-terminal half. STEAP2 shares 43% identity with the mouse Tiarp protein and 51% identity with the rat Hyde protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	100913194
NCBI GeneID	261729
NCBI Accession #	NP_001035755.1
NCBI GenBank Nucleotide #	NP_001035755.1
UniProt Accession #	Q8NFT2
NCBI Official Full Name	metalloreductase STEAP2 isoform a
NCBI Official Synonym Full Names	STEAP2 metalloreductase
NCBI Official Symbol	STEAP2
NCBI Official Synonym Symbols	STMP; IPCA1; PUMPCn; STAMP1; PCANAP1
NCBI Protein Information	metalloreductase STEAP2
UniProt Protein Name	Metalloreductase STEAP2
UniProt Gene Name	STEAP2
UniProt Synonym Gene Names	PCANAP1; STAMP1; PUMPCn
UniProt Entry Name	STEAP2_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://www.aaabiotech.com/human-elisa-kits/metalloreductase-steap2-steap2/330601>