

Mouse Metalloreductase STEAP1 (STEAP1) ELISA Kit | STEAP1 elisa kit

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CATALOG #
AAA245593

REACTIVITY
Mouse

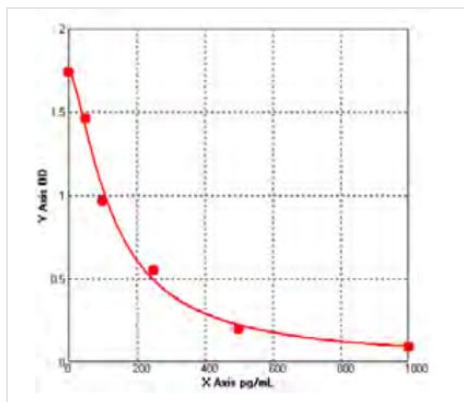
PRODUCT SYNONYMS

Metalloreductase STEAP1 (STEAP1); Mouse Metalloreductase STEAP1 (STEAP1) ELISA Kit; STEAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of STEAP1. No significant cross-reactivity or interference between STEAP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between STEAP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STEAP1 elisa kit	Principle of the Assay: STEAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-STEAP1 antibody and an STEAP1-HRP conjugate. The assay sample and buffer are incubated together with STEAP1-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 STEAP1 concentration since STEAP1 from samples and STEAP1-HRP conjugate compete for the anti-STEAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by STEAP1 from the sample, fewer sites are left to bind STEAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STEAP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This STEAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse STEAP1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for STEAP1 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	9558759
NCBI GeneID	26872
NCBI Accession #	NP_036581.1
NCBI GenBank Nucleotide #	NM_012449.2
Molecular Weight	39,851 Da
NCBI Official Full Name	metalloreductase STEAP1
NCBI Official Synonym Full Names	six transmembrane epithelial antigen of the prostate 1
NCBI Official Symbol	STEAP1
NCBI Official Synonym Symbols	STEAP; PRSS24
NCBI Protein Information	metalloreductase STEAP1; six-transmembrane epithelial antigen of prostate 1
UniProt Protein Name	Metalloreductase STEAP1
UniProt Gene Name	STEAP1
UniProt Synonym Gene Names	PRSS24; STEAP
UniProt Entry Name	STEAP1_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/mouse-elisa-kits/metalloreductase-steap1-steap1/245593>