

Mouse STEAP4 (Metalloreductase STEAP4) ELISA Kit | STEAP4 elisa kit

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CATALOG #
AAA277785

REACTIVITY
Mouse

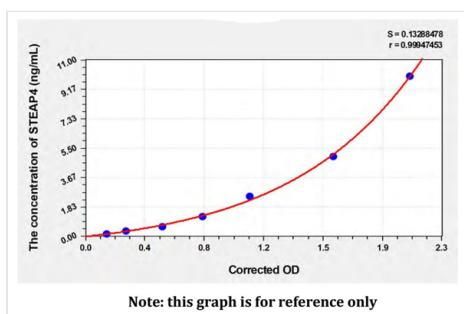
PRODUCT SYNONYMS

STEAP4 (Metalloreductase STEAP4); Mouse STEAP4 (Metalloreductase STEAP4) ELISA Kit; Tnfaip9; Tiarp; 1110021O17Rik; Tnf; T; AI481214; STEAP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse STEAP4. No significant cross-reactivity or interference between Mouse STEAP4 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.068 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STEAP4 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse STEAP4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse STEAP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mouse STEAP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Mouse STEAP4 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31981509
NCBI GeneID	117167
NCBI Accession #	NP_473439.2
NCBI GenBank Nucleotide #	NM_054098.3
UniProt Accession #	Q923B6; Q91W31; Q91ZE8
Molecular Weight	52,994 Da
NCBI Official Full Name	metalloreductase STEAP4
NCBI Official Synonym Full Names	STEAP family member 4
NCBI Official Symbol	Steap4
NCBI Official Synonym Symbols	Tiarp; Tnfaip9; AI481214; 1110021O17Rik
NCBI Protein Information	metalloreductase STEAP4; dudulin 4; dudulin-4; Tnfa-induced adipose-related protein; tumor necrosis factor, alpha-induced protein 9; six-transmembrane epithelial antigen of prostate 4; tumor necrosis factor-alpha-induced adipose-related protein
UniProt Protein Name	Metalloreductase STEAP4
UniProt Gene Name	Steap4
UniProt Synonym Gene Names	Tiarp
UniProt Entry Name	STEAP4_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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/steap4-metalloreductase-steap4/277785>