

Mouse Major urinary protein 1 (MUP1) ELISA Kit | MUP1 elisa kit

Major urinary protein 1 (MUP1): Mouse (ELISA)

CATALOG #
AAA60550

REACTIVITY
Mouse

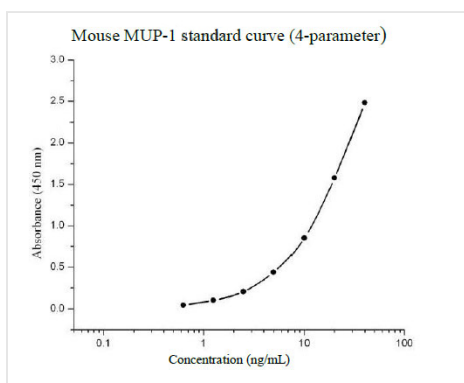
PRODUCT SYNONYMS

Major urinary protein 1 (MUP1); Major urinary protein 1 (MUP1): Mouse (ELISA); Mouse major urinary protein 1 (MUP1); MUP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The antibodies used in this assay are specific to mouse MUP-1.
Assay Type	Quantitative Sandwich
Samples	Serum or plasma
Sensitivity	0.625 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUP1 elisa kit

Background: Major urinary protein 1 (MUP-1), also known as Mup7, Up-1, Ltn-1, Mup-1, Mup-a, Mup10 and Lvtm-1, is a low molecular weight secreted protein produced predominantly from the liver¹. Structurally, it belongs to the lipocalin family, which carries small hydrophobic ligands such as pheromones.

Principle of the Assay: This assay is a sandwich enzyme-linked immunosorbent assay (ELISA) designed for the quantitative detection of mouse MUP-1 in samples. The microtiter plate is pre-coated with antibody specific to mouse MUP-1. Standards and samples are pipetted into the wells and any mouse MUP-1 present is bound by the immobilized antibody. After washing away any unbound substances, a horseradish peroxidase (HRP)-linked polyclonal antibody specific for mouse MUP-1 is added to the wells. After a final wash step, an HRP substrate solution is added and color develops in proportion to the amount of mouse MUP-1 bound initially. The assay is stopped, and the optical density of the wells is determined using a microplate reader. Since the increases in absorbance are directly proportional to the amount of captured mouse MUP-1, the unknown sample concentration can be interpolated from a reference curve included in each assay.

Intended Uses: This Mouse MUP-1 ELISA kit is designed for quantification of mouse MUP-1 in serum and plasma samples.

References

1. Major urinary protein-1 increases energy expenditure and improves glucose intolerance through enhancing mitochondrial function in skeletal muscle of diabetic mice. Hui X, et al J Biol Chem. 2009 May 22;284(21):14050-7.

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/major-urinary-protein-1-mup1/60550>