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ABG154404: Mouse Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit

Application Note

Mouse Mercaptopyruvate Sulfurtransferase (MPST) ELISA Kit is an ELISA Kit for the in vitro quantitative measurement of Mouse Mercaptopyruvate Sulfurtransferase (MPST) concentrations in tissue homogenates and other biological fluids. This assay has high sensitivity and excellent specificity for detection of Mercaptopyruvate Sulfurtransferase (MPST)
No significant cross-reactivity or interference between Mercaptopyruvate Sulfurtransferase (MPST) and analogues was observed.

Target Mercaptopyruvate Sulfurtransferase (MPST)
Reactivity Mouse
Tested Applications ELISA
Recommended dilutions Optimal dilutions/concentrations should be determined by the end user.
Storage Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.
Validity The validity for this kit is at least 6 months. Up to 12 months validity can be provided on request.
Stability The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5% within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.
Test Range 0.156 ng/ml - 10 ng/ml
Sensitivity < 0.06 ng/ml
Standard Form Lyophilized
Detection Method Colorimetric
Assay Type Sandwich
Assay Data Quantitative
Sample Type Tissue homogenates and other biological fluids.
Target Type Antigen
Assay Principle This kit is based on sandwich enzyme-linked immuno-sorbent assay technology. An antibody is pre-coated onto a 96-well plate. Standards, test samples, and biotin-conjugated reagent are added to the wells and incubated. The HRP-conjugated reagent is then added, and the whole plate is incubated. Unbound conjugates are removed using wash buffer at each stage. TMB substrate is used to quantify the HRP enzymatic reaction. After TMB substrate is added, only wells that contain sufficient MPST will produce a blue coloured product, which then changes to yellow after adding the acidic stop solution. The intensity of the yellow colour is proportional to the MPST amount bound on the plate. The Optical Density (OD) is measured spectrophotometrically at 450 nm in a microplate reader, from which the concentration of MPST can be calculated.