

Mouse Methylthioadenosine Phosphorylase (MTAP) ELISA Kit-Sandwich

Cat. No.: EK6F472

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Methylthioadenosine Phosphorylase (MTAP) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse MTAP in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Methylthioadenosine Phosphorylase (MTAP).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.17-10 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

S-methyl-5'-thioadenosine phosphorylase catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) into adenine and 5-methylthioribose-1-phosphate. It plays a role in the degradation of MTA, a key by-product of polyamine biosynthesis, and is responsible for the initial step in the methionine salvage pathway following the generation of MTA from S-adenosylmethionine. The enzyme has broad substrate specificity, with a preference for 6-aminopurine nucleosides. In mice, MTAP functions predominantly as a tumor suppressor gene, inhibiting tumor initiation and progression by regulating methionine metabolism and maintaining polyamine balance.

Target/Biomarker	Mouse MTAP
Target Synonym	MSAP; S-methyl-5'-thioadenosine phosphorylase
Gene ID	66902

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.