



Mouse acylation stimulating protein (ASP) ELISA kit

Cat. No.:	OB0625WXX-196
Assay Type:	Quantitative sandwich ELISA
Target Species:	Mouse
Assay Target:	ASP
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Mouse acylation stimulating protein (ASP) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of ASP in mouse with a range of 0.156-10 ng/mL and a specificity of up to 0.05 ng/mL.
Assay Principle	The pre-coated antibody is a mouse ASP monoclonal antibody, and the detection antibody is a biotin-labeled polyclonal antibody. The samples and biotin-labeled antibodies are added to the ELISA plate wells and rinsed with PBS or TBS. Avidin-peroxidase conjugate is then sequentially added to the ELISA wells; the reactants are thoroughly rinsed with PBS or TBS and then colored with TMB substrate. TMB turns blue when catalyzed by peroxidase and finally turns yellow in the presence of acid. The shade of color is positively correlated with the detection factor in the sample.
Background	ASP has the effects of enhancing glucose transport and inhibiting hormone-sensitive lipase, and is associated with the pathogenesis of obesity.
Synonyms	Acyl stimulation protein
Formula Weight	9,972 Da
Applications	Mouse acylation stimulating protein (ASP) ELISA kit is used to quantify ASP in mouse serum, plasma, and cell culture supernatant samples of mouse, providing data to support a wide range of studies.
Research Area	Metabolic pathway; Obesity research

Specification



Sample Type	Mouse serum; Plasma; Cell culture supernatant
Detection Range	0.156-10 ng/mL
Sensitivity	Up to 0.05 ng/mL
Precision (Intra-assay)	CV≤8%
Precision (Inter-assay)	CV≤12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.