



Mouse serum amyloid A1 (SAA1) ELISA kit

Product Code	CSB-EL020656MO
Abbreviation	SAA1
Protein Biological Process 1	Immunity
Uniprot No.	P05366
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 ng/ml - 200 ng/ml
Sensitivity	0.78 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	Saa1
Tag Info	quantitative
Protein Description	Sandwich

Description

The mouse SAA1 ELISA Kit is used to quantitatively measure mouse SAA1 concentrations in serum, plasma, or tissue homogenates. It performs well in important characteristics, including sensitivity and specificity. This assay is based on the sandwich ELISA mechanism and enzyme-substrate chromogenic reaction. The solution color develops proportionally to the amount of SAA1 in the sample. And the intensity of the color can be measured at 450 nm via a microplate reader.

SAA1 is known as a major precursor of amyloid A and plays an important role in lipid metabolism, antibacterial functions, inflammation regulation, and tumor pathogenesis. SAA1 has been shown to upregulate the expression of various inflammatory mediators such as cell adhesion molecules, cytokines, chemokines, and ROS, as well as pro-angiogenic molecules in leukocytes, fibroblasts, and endothelial cells. SAA1 being a major acute-phase protein is increasingly used as a reliable predictor of coronary artery disease (CAD). Elevation of SAA1 expression, synthesis, and release to the circulation is induced by inflammation, trauma, or stress that activates the acute-phase response (APR).



Product Precision

Linearity

Recovery

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL020656MO.pdf","filename":"MSDS"}}