



Mouse S100 calcium binding protein A8 (S100A8) ELISA kit

Product Code	CSB-EL020641MO
Abbreviation	S100A8
Protein Biological Process 1	Immunity
Uniprot No.	P27005
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates.
Detection Range	2.7 ng/ml-2000 ng/ml
Sensitivity	2.7 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	Others
Gene Names	S100a8
Tag Info	quantitative
Protein Description	Sandwich

Description

The product CSB-EL020641MO is a sandwich ELISA kit developed to measure levels of mouse S100 calcium-binding protein A8 (S100A8) in serum, plasma, or tissue homogenates. The enzyme-substrate chromogenic reaction is also used to amplify the signal and quantify the levels of the analyte through the intensity of the colored product. The color intensity positively correlates with the amount of S100A8 bound in the initial step.

S100A8 is mainly expressed in bone marrow-derived immune cells, such as macrophages and neutrophils. It acts in a cytokine-like behavior, by binding to cell surface receptors that trigger signaling pathways to participate in the inflammatory process, and plays a key role in many cellular processes, including cell survival, cell cycle progression, differentiation, proliferation, and cell migration. S100A8 is highly expressed in various inflammation-related diseases, such as inflammatory bowel disease. High S100A8 expression has also been found in many solid cancers, including breast cancer, bladder cancer, gastric cancer, lung cancer, and liver cancer. Studies have been proven that S100A8 is



potential a prognostic biomarker in breast cancer and bladder cancer.

Msd

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