



Mouse Soluble Cluster of differentiation 40 ligand,sCD40L ELISA Kit

Product Code	CSB-E04717m
Abbreviation	CD40LG
Uniprot No.	P27548
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell culture supernates.
Detection Range	0.274 ng/ml-200 ng/ml.
Sensitivity	0.274 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	Immunology
Gene Names	Cd40lg
Tag Info	quantitative
Protein Description	Sandwich

Description

The mouse soluble cluster of differentiation 40 ligand (sCD40L) ELISA Kit is used to quantitatively measure mouse sCD40L concentrations in serum, plasma, cell culture supernates, 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 sCD40L in the sample. And the intensity of the color can be measured at 450 nm via a microplate reader.

CD40L (CD40LG) mediates a range of activities on B cells, including induction of activation-associated surface antigen, entry into the cell cycle, isotype switching, Ig secretion, and memory generation. CD40-CD40L signaling also plays important roles in monocyte activation and DC maturation. CD40L, especially, has been shown to be a critical and powerful regulator of immune responses in atherosclerosis. In humans, CD40L expression peaks in late-stage atherosclerotic plaques, and its expression is related to features of plaque vulnerability. Many studies have shown that elevated serum levels of the sCD40L are linked to hypercholesterolemia, stroke, diabetes, and acute coronary syndrome (ACS) and predict recurrent CVD.



Product Precision

Linearity

Recovery

Typical

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