

Mouse Scavenger receptor class A member 3 (SCARA3) ELISA Kit

Catalog No: #EK7448

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Package Size: #EK7448-1 48T #EK7448-2 96T

Description

Product Name	Mouse Scavenger receptor class A member 3 (SCARA3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	APC7; CSR; CSR1; MSLR1; MSRL1; anaphase promoting complex subunit 7 cellular stress response protein macrophage scavenger receptor-like 1
Accession No.	Q8C850
Uniprot	Q8C850
GeneID	219151;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.33 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SCARA3 in samples. An antibody specific for SCARA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySCARA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCARA3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SCARA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SCARA3 encodes a macrophage scavenger receptor-like protein. This protein has been shown to deplete reactive oxygen species, and thus play an important role in protecting cells from oxidative stress. The expression of this gene is induced by oxidative stress.

Oxidative stress is a pathogenic condition that causes cellular damage and, in a normal functioning cell, several transcription factors respond to this threat by modulating expression of genes whose products ameliorate the altered redox status in some way. Under conditions of oxidative stress, reactive oxygen species were significantly depleted in CSR-overexpressing cells, indicating that the CSR product protects cells by scavenging oxidative molecules or harmful products of oxidation.

Note: This product is for in vitro research use only