

# Mouse Selenocysteine lyase (SCLY) ELISA Kit

Catalog No: #EK11379



Package Size: #EK11379-1 48T #EK11379-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse Selenocysteine lyase (SCLY) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	SCL;
Accession No.	Q9JLI6
Uniprot	Q9JLI6
GeneID	50880;
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:0.156-10 ng/mL

Sensitivity:0.059 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 SCLY in samples. An antibody specific for SCLY has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySCLY present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCLY 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 SCLY bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Selenocysteine lyase (SCLY; EC 4.4.1.16) catalyzes the pyridoxal 5-prime phosphate-dependent conversion of L-selenocysteine to L-alanine and elemental selenium.

The deduced mouse protein has 432 amino acids. RT-PCR detected Scly expression in mouse brain, heart, lung, stomach, liver, kidney, spleen, and testis. Western blot analysis detected expression in all mouse tissues examined, with the highest expression in liver, kidney, and testis. Mouse Scly localized to the cytosolic fraction in mouse liver and formed homodimers.Scly catalyzed the conversion of L-selenocysteine to L-alanine. Scly activity required pyridoxal 5-prime phosphate, was specific to L-selenocysteine, and showed maximum reactivity at pH 9.0.

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Note: This product is for in vitro research use only