

Mouse Cytochrome c (CYCS) ELISA Kit

Catalog No: #EK11280



Package Size: #EK11280-1 48T #EK11280-2 96T

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Description

Product Name	Mouse Cytochrome c (CYCS) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	CYC; HCS; THC4; OTTHUMP00000202043 OTTHUMP00000202044 cytochrome c
Accession No.	P62897
Uniprot	P62897
GeneID	13063;
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:1.56-100 ng/mL

Sensitivity:0.55 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 CYCS in samples. An antibody specific for CYCS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCYCS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYCS 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 CYCS bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cytochrome c, or cyt c (horse heart: PDB 1HRC) is a small heme protein found loosely associated with the inner membrane of the mitochondrion. It is a soluble protein, unlike other cytochromes, and is an essential component of the electron transfer chain. It is capable of undergoing oxidation and reduction, but does not bind oxygen. It transfers electrons between Complexes III and IV.

Cytochrome c is a highly conserved protein across the spectrum of species, found in plants, animals, and many unicellular organisms. This, along with its small size (molecular weight about 12,000 daltons), makes it useful in studies of evolutionary divergence. Its primary structure consists of a chain of 100 amino acids.

Note: This product is for in vitro research use only