

## Basic Information

Product Name	Anti-Cytochrome c/CYCS Antibody
Gene Name	CYCS
Source	Mouse
Isotype	IgG1
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Immunogen	E.coli-derived human Cytochrome C recombinant protein (Position: G2-E105). Human Cytochrome C shares 91% amino acid (aa) sequence identity with both mouse and rat Cytochrome C.
fluorophores	Amax=562nm; Emax=576nm
Conjugate	Dylight 550
concentration	500ug/ml
Purification	protein G purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 <sup>6</sup> cells

## Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

## Background Information

CYCS is also known as CYC, HCS or THC4. This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.

## Selected Validation Data

Product datasheet

## Anti-Cytochrome c/CYCS Antibody

Catalog Number: **M03529-Dyl550**

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