10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

# Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10)

**Catalog # ABO14811**

## Specification

### Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Product Information

| | |
|---|---|
| Application | **FC** |
| Primary Accession | P99999 |
| Host | **Mouse** |
| Isotype | **Mouse IgG1** |
| Reactivity | **Human** |
| Clonality | **Monoclonal** |
| Format | **Liquid** |

**Description**
Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody (monoclonal, 15F10) . Tested in Flow Cytometry applications. This antibody reacts with Human.

### Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Additional Information

**Gene ID** 54205

**Other Names**
Cytochrome c, CYCS, CYC

**Application Details**
Flow Cytometry, 1-3 µg/1x10^6 cells

**Subcellular Localization**
Mitochondrion intermembrane space. Loosely associated with the inner membrane.

**Contents**
Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.

**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.

**Cross Reactivity**
No cross-reactivity with other proteins.

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

### Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Protein Information

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**Name** CYCS

**Synonyms** CYC

**Function**
Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport chain.

**Cellular Location**
Mitochondrion intermembrane space. Note=Loosely associated with the inner membrane

## Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Images

## Anti-Human Cytochrome C DyLight® 550 conjugated CYCS Antibody(monoclonal, 15F10) - Background

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.