

Nur für Forschungszwecke

# ACO2 Monoklonaler Antikörper

Katalog-Nr.:CL594-67509



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL594-67509	<b>GenBank-Zugangsnummer:</b> BC014092	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von50 Nanodrop;	<b>GeneID (NCBI):</b> aconitase 2, mitochondrial	<b>CloneNo.:</b> 1F1G4
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> aconitase 2, mitochondrial	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 588 nm / 604 nm
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 85 kDa	
<b>Immunogen Katalognummer:</b> AG17784	<b>Beobachtete Masse:</b> 85 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC (Intra)

**Getestete Reaktivität:**  
Hausschwein, Human, Maus, Ratte

## Hintergrundinformationen

ACO2(aconitase hydratase, mitochondrial) is also named as citrate hydro-lyase and belongs to the aconitase/IPM isomerase family. It plays a key function in cellular energy production, and loss of its activity has a major impact on cellular and organismal survival. Western blot shows two bands of 83 kDa and 40 kDa. The 40 kDa fragment decreases with age and oxidative stress, whereas other fragmentation products with molecular weights between 40 and 83 kDa increased with age and MnSOD(mitochondrial manganese superoxide dismutase) deficiency(PMID:12459471). Defects in ACO2 are the cause of infantile cerebellar-retinal degeneration (ICRD).

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

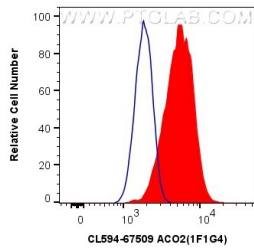
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human ACO2 (CL594-67509, Clone:1F1G4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).