

Nur für Forschungszwecke

# LIAS Monoklonaler Antikörper

Katalog-Nr.:CL488-67298



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL488-67298	<b>GenBank-Zugangsnummer:</b> BC023635	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von11019 Nanodrop;	<b>GeneID (NCBI):</b> von11019	<b>CloneNo.:</b> 3B5G7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> lipoic acid synthetase	<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 493 nm / 522 nm
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 372 aa, 42 kDa	
<b>Immunogen Katalognummer:</b> AG27286	<b>Beobachtete Masse:</b> 34-42 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC (Intra)

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

## Hintergrundinformationen

LIAS(lipoyl synthase, mitochondrial) is also named as LAS and belongs to the radical SAM superfamily and lipoyl synthase family. It produces alpha-lipoic acid, an antioxidant and an essential cofactor in alpha-ketoacid dehydrogenase complexes, which participate in glucose oxidation and ATP generation(PMID:22021711). The deduced 373-amino acid protein has a calculated molecular mass of about 42 kD. The N-terminal 26 amino acids encode a potential mitochondrial targeting presequence that, upon removal, would result in a deduced mature protein of 347 amino acids with a molecular mass of about 39 kD(PMID:11389890). Defects in LIAS are a cause of pyruvate dehydrogenase lipoic acid synthetase deficiency (PDHLD).

## 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**

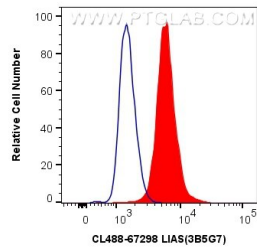
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human LIAS (CL488-67298, Clone:3B5G7) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).