

Nur für Forschungszwecke

# AlaRS Monoklonaler Antikörper

Katalog-Nr.:CL555-67909



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL555-67909	<b>GenBank-Zugangsnummer:</b> BC011451	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von16 Nanodrop;	<b>GeneID (NCBI):</b> 1000000000	<b>CloneNo.:</b> 1C8H3
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> alanyl-tRNA synthetase	<b>Empfohlene Verdünnungen:</b> IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 968 aa, 107 kDa	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 557 nm / 570nm
<b>Immunogen Katalognummer:</b> AG11151	<b>Beobachtete Masse:</b> 107 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC (Intra), IF	<b>Positivkontrollen:</b> IF : HeLa-Zellen,
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	

## Hintergrundinformationen

AARS(alanyl-tRNA synthetase) is also named as AlaRS(alanine tRNA ligase 1, cytoplasmic), renal carcinoma antigen NY-REN-42 and belongs to the class-II aminoacyl-tRNA synthetase family. It can interpret the RNA code and attach specific aminoacids to the tRNAs that contain the cognate trinucleotide anticodons. AARS consists of three domains: the N-terminal catalytic domain, the editing domain and the C-terminal C-Ala domain. The editing domain removes incorrectly charged amino acids, while the C-Ala domain, along with tRNA(Ala), serves as a bridge to cooperatively bring together the editing and aminoacylation centers thus stimulating deacylation of misacylated tRNAs(PMID:19661429).

## 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

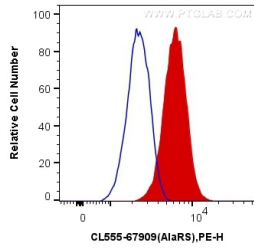
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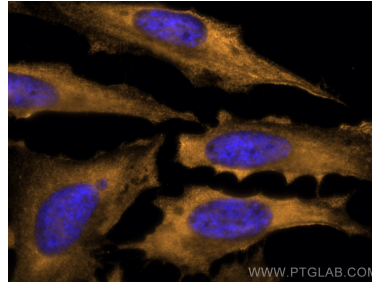
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## Ausgewählte Validierungsdaten



$1 \times 10^6$  K-562 cells were intracellularly stained with 0.4  $\mu$ g CoraLite®555 Anti-Human AlaRS (CL555-67909, Clone:1C8H3) (red), or 0.4  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®555 AlaRS antibody (CL555-67909, Clone: 1C8H3) at dilution of 1:200.