

À des fins de recherche uniquement

# Anticorps Monoclonal anti-AlaRS

Numéro de catalogue: CL555-67909



## Informations de base

Numéro de catalogue: CL555-67909	Numéro d'acquisition GenBank: BC011451	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 1000 µg/ml by 16 Nanodrop;	Identification du gène (NCBI): 16	CloneNo.: 1C8H3
Hôte: Mouse	Nom complet: alanyl-tRNA synthetase	Dilutions recommandées: IF 1:50-1:500
Isotype: IgG1	MW calculé 968 aa, 107 kDa	Excitation/Emission maxima wavelengths: 557 nm / 570nm
Immunogen Catalog Number: AG11151	MW observés: 107 kDa	

## Applications

Applications testées: FC (Intra), IF	Contrôles positifs: IF : cellules HeLa,
Spécificité de l'espèce: Humain, rat, souris	

## Informations générales

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).

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

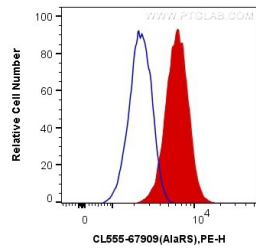
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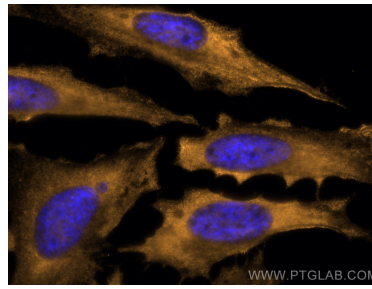
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## Données de validation sélectionnées



$1 \times 10^6$  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.