

For Research Use Only

CoraLite® Plus 488-conjugated AlaRS Monoclonal antibody



Catalog Number: CL488-67909

Basic Information

Catalog Number: CL488-67909	GenBank Accession Number: BC011451	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 16	CloneNo.: 1C8H3
Source: Mouse	UNIPROT ID: P49588	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: alanyl-tRNA synthetase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG11151	Calculated MW: 968 aa, 107 kDa	
	Observed MW: 107 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : A431 cells,
Species Specificity: Human, Mouse, Rat	

Background Information

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).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

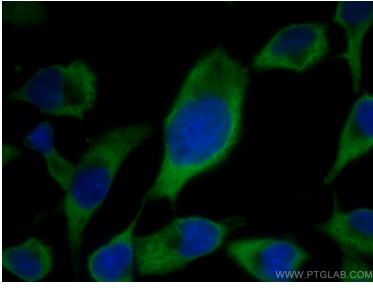
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite® Plus 488 AlaRS antibody (CL488-67909, Clone: 1C8H3) at dilution of 1:200.