

CoraLite®594-conjugated TARS Monoclonal antibody

Catalog Number: **CL594-67828**

Basic Information

Catalog Number: CL594-67828	GenBank Accession Number: BC000517	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 6897	CloneNo.: 1A11F10
Source: Mouse	UNIPROT ID: P26639	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: threonyl-tRNA synthetase	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG6614	Calculated MW: 83 kDa	
	Observed MW: 83-87 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human, mouse, rat	

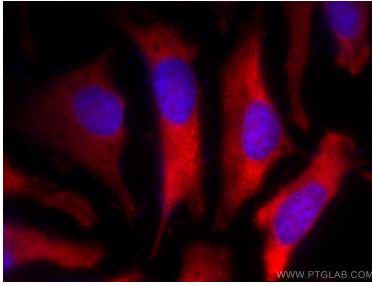
Background Information

TARS (Threonyl-tRNA synthetase), also known as threonine-tRNA ligase or ThrRS, belongs to the aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetase (aaRS) catalyzes the specific esterification of an amino acid with the 3'-terminal hydroxyl group of its cognate tRNA. Specificity of aminoacylation catalyzed by aaRSs ensures the accurate translation of the genetic code in the first step of protein synthesis (PMID: 26324710). TARS has some isoforms with the molecular mass of 83, 87 kDa and other MW.

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite@594 TARS antibody (CL594-67828, Clone: 1A11F10) at dilution of 1:200.