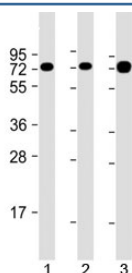


## GARS Antibody [clone 1641CT837.23.96] (F53809)

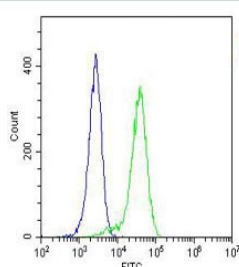
Catalog No.	Formulation	Size
F53809-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53809-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

**Bulk quote request**

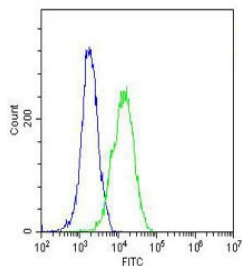
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	1641CT837.23.96
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P41250
<b>Applications</b>	Western Blot : 1:1000-2000 FACS (intracellular) : 1:25
<b>Limitations</b>	This GARS antibody is available for research use only.



Western blot testing of human 1) Jurkat, 2) Ramos and 3) HT-1080 cell lysate with GARS antibody at 1:2000. Predicted molecular weight: 83 kDa.



Intracellular FACS testing of human HeLa cells with GARS antibody (green) and [isotype control](#) (blue) at 1:25.



Intracellular FACS testing of human U2OS cells with GARS antibody (green) and [isotype control](#) (blue) at 1:25.

## Description

Glycine--tRNA ligase catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs.

## Application Notes

Titration of the GARS antibody may be required due to differences in protocols and substrate sensitivity.

## Immunogen

A human recombinant protein of amino acids 15-305 was used as the immunogen for the GARS antibody.

## Storage

Aliquot the GARS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.