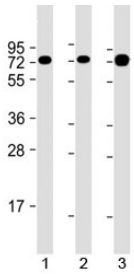
GARS Antibody [clone 1641CT837.23.96] (F53809)

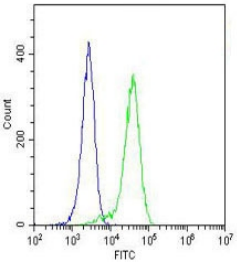
Catalog No.	Formulation	Size
F53809-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53809-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

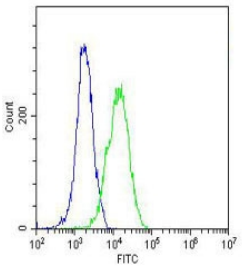
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1641CT837.23.96
Purity	Protein G affinity chromatography
UniProt	P41250
Applications	Western blot: 1:1000-2000 FACS (intracellular): 1:25
Limitations	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.

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