

# Glycine Antibody – Rabbit Polyclonal

Ref: IS1034

This rabbit polyclonal anti-Glycine antibody was validated for IF in mouse primary cortical neurons in combination with the [STAINperfect immunostaining kit A](#). Following sample preparation according to the kit, this antibody allows direct Glycine visualization in cell cultures, whole mounts and tissue sections.

<b>Clonality</b>	Polyclonal antibody
<b>Host</b>	Rabbit
<b>Reactivity</b>	Reacts with all species
<b>Tested samples</b>	Whole mounts, cell culture, tissue sections
<b>Staining procedure</b>	<a href="#">STAINperfect immunostaining kit A</a>
<b>Format</b>	50µL (approx. 40 tissue sections)
<b>References</b>	<a href="#">Cited in 1 paper</a>

## INFORMATIONS

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### Product overview

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<b>Product name</b>	Glycine antibody - Rabbit polyclonal Ab
<b>Synonyms</b>	Anti-aminoacetic acid antibody
<b>Immunogen</b>	Conjugated Glycine
<b>Specificity</b>	When tested in competitive ELISA, the anti-conjugated Glycine antibody did not show any significant cross reactivity with Glycine analogs, including Alanine and Serine conjugates
<b>Volume</b>	50µL

### Storage

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<b>Form</b>	Liquid
<b>Purity</b>	Purified anti-serum
<b>Storage</b>	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
<b>Material safety datasheet</b>	<a href="#">Download MSDS</a>

# PROTOCOLS

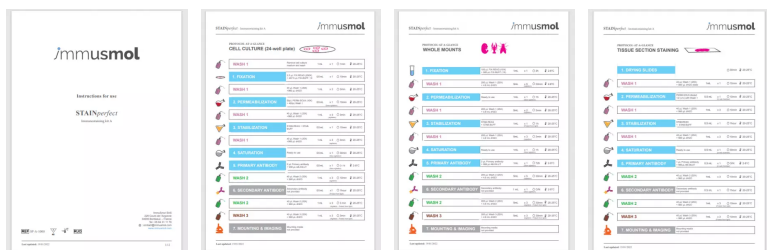
**IF - Cell cultures, Whole mounts, Tissue sections** Dilute antibody with the antibody diluent provided in the [STAINperfect immunostaining kit A](#). Use at 1/250 -1/1000 dilution. Follow the STAINperfect protocol suited to your sample

**Comments** Optimal working dilutions must be determined by the end-user

**Restrictions** For research use only

**Full protocol** [Download STAINperfect protocol for Glycine staining](#)

## Protocols-at-a-glance



[Complete Instructions for Use](#)

[Protocol-at-a-glance for cell cultures](#)

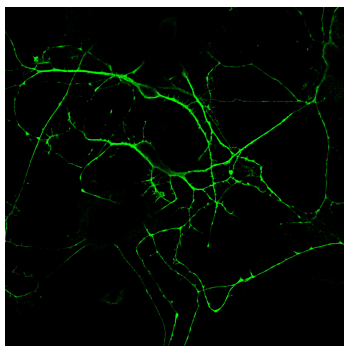
[Protocol-at-a-glance for whole mounts](#)

[Protocol-at-a-glance for tissue sections](#)

# REFERENCES

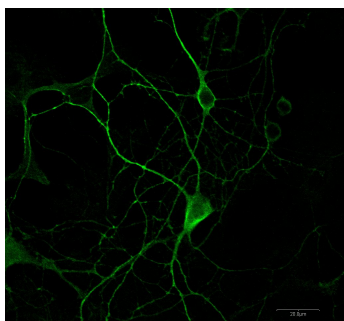
Product citation

# Product pictures



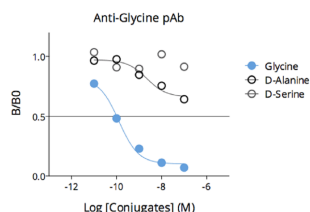
### Glycine detection in primary mouse cortical neurons - fibers and soma

Primary mouse cortical neurons were stained with IS1034 anti-Glycine antibody using the STAINperfect immunostaining kit A and according to the optimized protocol for cell culture. After incubation with secondary antibody, this staining reveals the presence of Glycine within fibers and soma of some neurons. Image was obtained by confocal imaging.



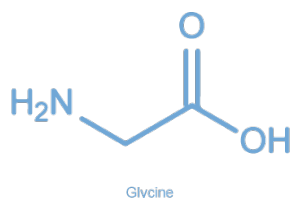
### Affinity & specificity of anti-Glycine antibody

Competitive ELISA demonstrates that low amounts of Glycine conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of Glycine competitors D-Alanine or D-Serine do not affect reaction (high specificity).



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### Glycine detection in primary mouse cortical neurons

Primary mouse cortical neurons were stained using IS1034 anti-Glycine antibody using the STAINperfect immunostaining kit A and according to the optimized protocol for cell culture. Alexa fluor 488 conjugated secondary antibody was used and picture obtained by confocal imaging.

## Contact information

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**To order, review, ask for technical support, visit product page at:**

<https://www.immusmol.com/shop/glycine-rabbit-pab/>