

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS09 593**
Gly | glycine

Product information

Background | Glycine (Gly) is a smallest of amino acids found in proteins.

Immunogen | Synthetic glycine conjugated to protein carrier, bovine serum albumin (BSA)

Host | Rabbit

Clonality | Polyclonal

Purity | Total IgG

Format | Lyophilized in PBS, Phosphate 10 mmol/l ; NaCl 150 mmol/l at pH 7.35

Quantity | 1 mg

Reconstitution | For reconstitution add 500 µl of sterile water and 500 µl of glycerol.

Storage | Lyophilized vial must be stored at 4 °C in a dry area up to 2 years after receipt. After reconstitution with 50% of distilled water and 50% of glycerol, the aliquot must be stored at -20 °C, and is stable at least for 2 years. Avoid freeze-thaw cycles.

Tested applications | ELISA (ELISA), Immunocytochemistry (ICC), Immunohistochemistry (IHC)

Related products | [Secondary antibodies](#)

Additional information

| Compounds | Cross-reactivity ratio (a) |
|------------------|----------------------------|
| Glycine-G-PC* | 1 |
| –Alanine-G-PC | 1/100 |
| GABA-G-PC | 1/500 |
| Taurine-G-PC | 1/1 000 |
| L.Aspartate-G-PC | 1/20 000 |
| L.Glutamate-G-PC | 1/>20 000 |
| Free Glycine | 1/>50 000 |

G- glutaraldehyde, (a) Glycine-G-PC concentration/unconjugated or conjugated amino acid concentration at half displacement

Glycine-BSA Kd around 10^{-8} M, which is a very high affinity and specificity.

Application information

Recommended dilution | 1: 2000 - 1: 10 000 (ELISA), 1 : 1000-1 : 5 000 (ICC)

Confirmed reactivity | glycine

Predicted reactivity | The antibody recognizes the target in all species, vertebrates (included humans) and invertebrates, because of the universality of the small molecule.

Not reactive in | No confirmed exceptions from predicted reactivity are currently known.

Additional information | For example of immunocytochemistry protocol check [here](#). total IgG was purified by ammonium sulfate precipitation. For high resolution images, please visit the specific product page at www.agrisera.com

Selected references | [Rubio & Juiz \(2004\)](#). Differential distribution of synaptic endings containing glutamate, glycine, and GABA in the rat dorsal cochlear nucleus. J. Comp. Neurol. 477: 253-272.
[Van Zundert et al. \(2000\)](#). Effects of chronic ethanol treatment on gamma-aminobutyric acid(A) and glycine receptors in mouse glycinergic spinal neurons. J. Pharmacol. Exp. ther. 1:423-429.

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