

Agrisera

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contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no **AS09 593**

Gly | glycine

Product information

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.

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.