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Anti-Conjugated D.Serine
MOUSE MONOCLONAL

Catalog Number: AB-T175
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Mouse
Isotype: IgG 1, Kappa
Clone: DSER6A41G1
Immunogen: Synthetic D.Serine-PC

Specificity and Preparation:

Monoclonal antibody was obtained after BALB/c mouse immunization with the conjugate : D.Serine-Protein Carriers (PC) and hybridization of spleen cells with the myeloma cell line SP2/O/Ag14. Ascite production was performed in BALB/c mice and is IgG purified. This antibody targets conjugated D.Serine. **This antibody does not recognize free D.Serine.**

Using a conjugate D.Serine-PC, antibody specificity was performed with an ELISA test by competition experiments with the following compounds :

COMPOUND	CROSS REACTIVITY §
D.Serine-G-PC	1
L.Serine-G-PC	1/>50,000
D.Threonine-G-PC	1/>50,000
L.Threonine-G-PC	1/>50,000
D.Cysteine-G-PC	1/>50,000
D.Alanine-G-PC	1/>50,000
D.Glutamate-G-PC	1/>50,000
L.Glutamate-G-PC	1/>50,000
L.Glutamine-G-PC	1/>50,000
L.Aspartate-G-PC	1/>50,000
D.Aspartate-G-PC	1/>50,000
GABA-G-PC	1/>50,000
Glycine-G-PC	1/>50,000
Taurine-G-PC	1/>50,000

G = Glutaraldehyde, PC = Protein Carrier

§ D.Serine-PC concentration/other conjugated close-related compounds concentration at half displacement.

Usage and Storage:

Protocols for potential applications can be found on the website: <http://atsbio.com/support/protocols>. Optimal dilutions should be determined by each laboratory for each application. Store the antibody at 4°C in a dry area for one month or -20°C in undiluted aliquots for up to two years. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

Available Control(s): D-Serine-G-BSA

To view protocol(s) for this and other products please visit: www.ATSBio.com/support/protocols