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**Anti-Conjugated DL-5-hydroxytryptophan
MOUSE MONOCLONAL**

Catalog Number: AB-T077
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Mouse
Isotype: IgG1, Kappa
Immunogen: Synthetic DL-5-hydroxytryptophan conjugated to bovine serum albumin

Specificity and Preparation:

Monoclonal antibody was obtained after BALB/c mouse immunization with the conjugate DL-5-hydroxytryptophan (DL-5-HW)-Glutaraldehyde-Carriers and hybridization of spleen cells with the myeloma cell line SP2/O/Ag14. Ascites production was performed in BALB/c mice. The ascitic fluid was purified by ammonium sulfate precipitation.

This antibody targets conjugated DL-5-hydroxytryptophan. **This antibody does not recognize free DL-5-hydroxytryptophan.**

Using a conjugate DL-5-HW-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
DL-5-HW-G-BSA	1
Tryptophan-G-BSA	1/>10,000
MethoxyTryptophan-G-BSA	1/>10,000
Serotonine-G-BSA	1/>10,000

G = Glutaraldehyde, BSA= Bovine Serum Albumin

§ DL-5-HW-G-BSA concentration/other conjugated indolamine concentration at half displacement.

Usage and Storage:

Applications include immunohistochemistry / immunocytochemistry (1/1,000-1/5,000), ELISA (1/1,000-1/5,000), and immunoblotting (western blot 1/1,000-1/2,000). Fixation of tissue for use with these antibodies should be done with glutaraldehyde. The use of paraformaldehyde in conjunction with glutaraldehyde may improve staining results. Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

Available Control(s): 5-Hydroxytryptophan-G-BSA

References:

1. Touret M, Kitahama K, Geffard M, Jouvet M (1987) 5-hydroxytryptophan (5-HTP)-immunoreactive neurons in the rat brain tissue. *Neurosci Lett* 80:263-267.
2. Touret M, Sarda N, Gharib A, Geffard M, Jouvet M (1991) The role of 5-hydroxytryptophan (5-HTP) in the regulation of the sleep/wake cycle in parachlorophenylalanine (p-CPA) pretreated rat: a multiple approach study. *Exp Brain Res* 86:117-124.

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