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/OAg14. 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-Gluteraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

<table>
<thead>
<tr>
<th>COMPOUND</th>
<th>CROSS REACTIVITY §</th>
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</thead>
<tbody>
<tr>
<td>DL-5-HW-G-BSA</td>
<td>1</td>
</tr>
<tr>
<td>Tryptophan-G-BSA</td>
<td>1/&gt;10,000</td>
</tr>
<tr>
<td>MethoxyTryptophan-G-BSA</td>
<td>1/&gt;10,000</td>
</tr>
<tr>
<td>Serotoninine-G-BSA</td>
<td>1/&gt;10,000</td>
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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:

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

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