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Anti-Anti-Conjugated Serotonin MOUSE MONOCLONAL

Catalog Number: AB-T018
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Mouse
Isotype: IgG
Immunogen: Polyclonal and monoclonal anti-conjugated serotonin antibodies

Specificity and Preparation:

Anti-idiotypic antibodies are developed in order to mimic the physiological activity of biomolecules. This antibody targets serotonin receptor, polyclonal or monoclonal anti-conjugated serotonin antibodies. Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

Using an antibody, specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND | CROSS REACTIVITY § |
|------------------------------|--------------------|
| Anti-conjugated 5HT antibody | 1 |
| Anti-conjugated 5HW antibody | 1/20 |
| Anti-conjugated 5MT antibody | 1/60 |

Usage and Storage:

Applications include ELISA (1/2,000-1/10,000) and immunohistochemistry / immunocytochemistry. 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): Anti-Conjugated 5-Hydroxytryptamine and Anti-Conjugated DL-5-hydroxytryptophan

References:

1. Bona CA (1984) Parallel sets and the internal image of antigen within the idiotypic network. Fed Proc 43 (10):2558-2562.
2. Fields BA, Goldbaum FA, Ysern X, Poljak RJ, Mariuzza RA (1995) Molecular basis of antigen mimicry by an anti-idiotope. Nature 374(6524):739-742.
3. Souza EB, Lopes JD, Almeida SR (2004) B and T cell responses elicited by monoclonal anti-idiotypic antibody (Ab2beta) mimicking gp43 from Paracoccidioides brasiliensis. Clin Exp Immunol 137(1):123-128.
4. Pillet D, Paon M, Vorobiev II, Gabibov AG, Thomas D, Friboulet A (2002) Idiotypic network mimicry and antibody catalysis: lessons for the elicitation of efficient anti-idiotypic protease antibodies. J Immunol Methods 269(1-2):5-12.
5. Jennings I, Cotton R (1990) Structural similarities among enzyme pterin binding sites as demonstrated by a monoclonal anti-idiotypic antibody. J Biol Chem 265(4):1885-1889.

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