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Anti-Conjugated Histamine MOUSE MONOCLONAL

Catalog Number: AB-T16
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Mouse
Isotype: IgA, Kappa
Immunogen: Synthetic histamine conjugated to protein carrier

Specificity and Preparation:

Monoclonal antibody was obtained after BALB/c mouse immunization with the conjugate: Histamine-Hexamethylene diisocyanate-Carrier proteins 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 histamine. **This antibody does not recognize free histamine.**

Using a conjugate Histamine-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Histamine-HD-(Pc)	1
L-Methyl-Histamine-HD-(Pc)	1
Histamine-G-(Pc)	1/>50,000
Histamine-GA-(Pc)	1/>50,000
Histidine-HD-(Pc)	1/>50,000

HD = Hexamethylene diisocyanate, GA = Glutaric anhydride, G = Glutaraldehyde, Pc = Protein carrier
§ Histamine-HD-(Pc) concentration/other conjugated amino acids concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/1,000-1/5,000), 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): Histamine-HD-BSA

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