



Anti- MDMA-Antibody

CATALOG NO.: XAV-8422

SPECIES REACTIVITY: N/A

CLONE: 3G8

BACKGROUND:

MDMA (3,4-methylenedioxymethamphetamine) is a ring-substituted amphetamine derivatives act by increasing the net release of the monoamine neurotransmitters (serotonin, noradrenaline and, to a smaller extent, dopamine) from their respective axon terminals. It resembles the structure of the hallucinogenic material mescaline. As a result, the pharmacological effects of MDMA are a blend of those of the amphetamines and mescaline.

SOURCE:

Anti-MDMA mouse monoclonal antibody (3G8) was generated against a bovine thyroglobulin (BTG)-MDMA conjugate. Mouse Ig is purified by ammonium sulfate precipitation.

APPLICATION:

This mouse monoclonal antibody (3G8) can be used for the detection of MDMA in ELISA assays. Suggested starting concentrations are provided. Optimal dilutions should be determined by end-user. Differences in calculated versus apparent molecular weight may be due to post-translational modifications or protein hydrophobicity. **This product is for research use only.**

STORAGE:

MDMA antibody is supplied in PBS buffer containing 0.02% sodium azide. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycle.

REFERENCES:

Mills, E. M., et al., 2003, Nature 426(6965), 403-4; Lyon, R. A., et al., 1986 Psychopharmacology 88(4), 525-6