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12-8160: Anti-MDMA-(Clone MDMA-5813)

Clonality :	Monoclonal
Clone Name :	MDMA-5813
Application :	ELISA
Alternative Name :	3,4-MDMA, Ecstasy, 3,4-Methyl?enedioxy?methamphetamine
Isotype :	Mouse IgG1 L

Description

Specificity: Anti-MDMA (clone MDMA-5813) is specific for MDMA. Methamphetamine - 10% Amphetamine - 8%
Background: 3,4 - methylenedioxymethamphetamine, also known as MDMA, ecstasy, or molly, is a synthetic psychoactive substance that alters mood and perception. Developed in the early 20th century, MDMA later gained popularity for its use in psychotherapy before became associated with recreational settings. Differing from other amphetamines structurally, attachment of a methylenedioxy group, it can produce the effects of both amphetamines and hallucinogens. Its primary mechanism of action involves increasing the release of serotonin, dopamine, and norepinephrine in the brain, leading to heightened mood and increased energy. Diagnostic testing for MDMA use is often conducted through urine tests that can detect the presence of the drug or its metabolites. Misuse of MDMA is a concern due to its potential for adverse effects, including dehydration, hyperthermia, and serotonin syndrome. Long-term use may also be associated with memory and cognitive impairments.

Product Info

Amount :	1.0 mg
Purification :	Purity: >90% for SDS PAGE Preparation: This monoclonal antibody is purified by ion exchange chromatography.
Content :	Concentration: >=1.0 mg/ml Formulation: Formulated in 0.015M potassium phosphate buffered saline (0.85%), pH 7.2 and contains 0.05% sodium azide.
Storage condition :	This purified antibody is stable when stored at 2-8°C.?Do not freeze.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.