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12-8177: Anti-THC (Clone THC-9533)

Clonality :	Monoclonal
Clone Name :	THC-9533
Application :	ELISA
Alternative Name :	Tetrahydrocannabinol
Isotype :	Mouse IgG2a k

Description

Specificity: Anti-THC (Clone THC-9533) is specific for tetrahydrocannabinol.
Background: Tetrahydrocannabinol (THC) is the primary psychoactive compound found in cannabis, responsible for the euphoric effects associated with marijuana use. THC acts on the endocannabinoid system, binding to cannabinoid receptors, particularly CB1 receptors found in the brain and central nervous system. By activating these receptors, THC modulates neurotransmitter release, leading to altered perception, mood changes, and a sense of relaxation. THC is commonly consumed by smoking or vaporizing cannabis, as well as through edibles and other forms. Diagnostic testing for THC abuse often involves urine analysis, as THC and its metabolites can be detected in urine samples. This testing method is valuable for identifying recent cannabis use, aiding healthcare professionals, employers, and legal authorities in assessing and managing substance abuse concerns related to THC. The increasing prevalence and legalization of cannabis in various regions have heightened the importance of effective diagnostic measures to address potential misuse.

Product Info

Amount :	1.0 mg
Purification :	Purity: >98% by SDS Page Preparation: This monoclonal antibody is purified by Protein A chromatography.
Content :	Concentration: >=1.0 mg/ml Formulation: Formulated in phosphate buffered saline, pH 7.2 and contains 0.05% sodium azide.
Storage condition :	2-8°C

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