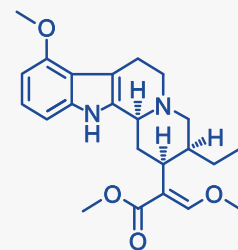


Anti-Mitragynine rabbit recombinant monoclonal antibody



Mitragynine is the main active alkaloid in **KRATOM** (*Mitragyna speciosa*), producing stimulant-like effects at lower doses and more sedating or analgesic effects at higher doses by interacting primarily with μ -opioid receptors. It is often misused for self-treatment of pain, anxiety, or opioid withdrawal, but it carries risks of dependence, withdrawal, and potentially dangerous interactions, especially with alcohol, benzodiazepines, or opioids. Legality varies widely: kratom and mitragynine are legal in many regions but are banned or controlled in others. We offer ultra-high-affinity rabbit recombinant monoclonal antibodies against mitragynine, available either as ready-to-use recombinant proteins (including BSA conjugate) or through licensing.



Antibody specification

Target Mitragynine	Isotype IgG-Kappa 1	Expression system Mammalian	Storage Short term: +4°C Long term: -80°C
Immunogen VLP-Mitragynine	Class Recombinant	Purification Protein A	Field Drug of abuse
Target type Small molecule	Host Rabbit	Concentration 1 mg/ml	Applications <ul style="list-style-type: none">● Lateral flow assay● CLIA● ELISA
Clonality Monoclonal	Conjugation Upon request	Storage buffer PBS	

Conjugate specification

Conjugate BSA-Mitragynine
Concentration 1 mg/ml
Storage buffer PBS
Storage -20°C or below

Clone information

Clone #	Mitragynine $K_D \pm SD$ (nM)	7-OH Mitragynine $K_D \pm SD$ (nM)	Mitraphylline K_D
DB-202386	0.39 \pm 0.04	110 \pm 10	>20 μ M
DB-202387	0.14 \pm 0.02	35 \pm 5	>20 μ M
DB-202388	0.56 \pm 0.06	160 \pm 10	>20 μ M
DB-202390	0.13 \pm 0.01	22 \pm 9	>20 μ M
DB-202392	0.95 \pm 0.11	260 \pm 10	>20 μ M
DB-202397	0.10 \pm 0.01	21 \pm 3	>20 μ M
DB-202405	0.25 \pm 0.04	58 \pm 7	>20 μ M

Contact us



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The antibodies were developed in collaboration with the Forensic Laboratory of Biologically Active Substances (BAFA) at the University of Chemistry and Technology, Prague.
<https://bafa.vscht.cz/>

