
Mouse Anti-Delta-9-Tetrahydrocannabinol Recombinant Antibody

No. :KF-ab0058

- Expression Host:** Nicotiana benthamiana plants
- Clonality:** Monoclonal, recombinant
- Species and Isotype:** Mouse IgG2a
- Description:** This product is a full-length Mouse IgG1 antibody specific to the Delta-9-Tetrahydrocannabinol (THC) molecule. It was produced recombinantly in Nicotiana benthamiana plants via Agrobacterium tumefaciens mediated infiltration.
- Verified Applications:** Western blot, ELISA
- Dilution Range:** Western blot (1: 1 000 - 1: 8 000)
ELISA (1: 10 000 - 1: 100 000)
- Tested Species Reactivity :** Human
- Concentration :** 1 mg/ml
- Form :** Liquid
- Storage:** Short-term (up to one week): 2 - 8 ° C
Long term: Aliquot and store at - 20 ° C
Store immediately. Aliquot and avoid multiple freeze-thaw cycles.
- Storage Buffer:** 0.1 M Phosphate Buffered Saline, pH 7.8. Preservative: None
- Purification Notes:** This product was purified using Protein A- affinity chromatography.
- Purity:** ≥ 95% as determined by SDS-PAGE
- General Notes:** For Research Use only, unless otherwise indicated.

Image:

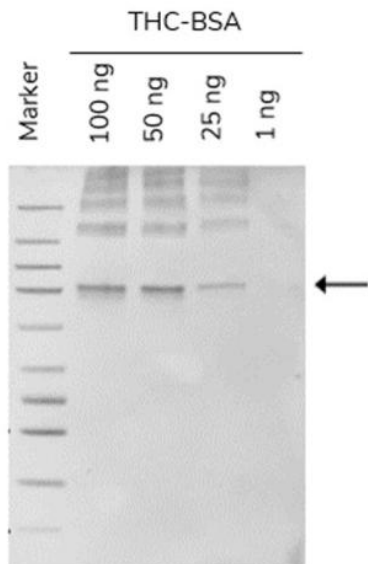


Figure 1. Western blot of decreasing amounts of THC-BSA antigen (73 kDa) detected using Mouse Anti-Delta-9-THC at 1: 5 000 and an HRP conjugated anti-mouse secondary antibody.

Mouse Anti-Delta-9-THC Antibody ELISA Dose Response

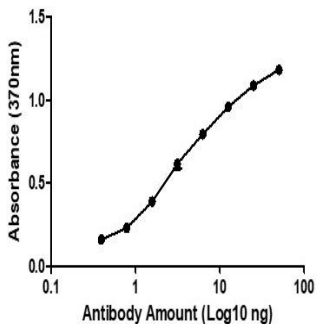


Figure 2. ELISA Dose Response curve using Mouse Anti-Delta-9-THC to detect coated THC-BSA Antigen at 0.1 ng/μl and increasing concentrations of antibody. Experiments were performed in triplicate, with error bars representing standard deviation (SD).