

CB1 (DM144) RABBIT MAB

Cat.#: 28488

Product Name: Anti-CB1(DM144) Rabbit Monoclonal Antibody

Synonyms: CANN6; CB-R; CB1; CB1A; CB1K5; CB1R; CNR

Description: Anti-CB1 antibody(DM144) Rabbit Monoclonal Antibody

Background: This gene encodes one of two cannabinoid receptors. The cannabinoids; principally delta-9-tetrahydrocannabinol and synthetic analogs; are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family; which inhibit adenylate cyclase activity in a dose-dependent; stereoselective and pertussis toxin-sensitive manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein isoforms have been described for this gene.

Applications: ELISA; Flow Cyt

Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100

Host Species: Rabbit

Isotype: Rabbit IgG

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human CB1

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8 % trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

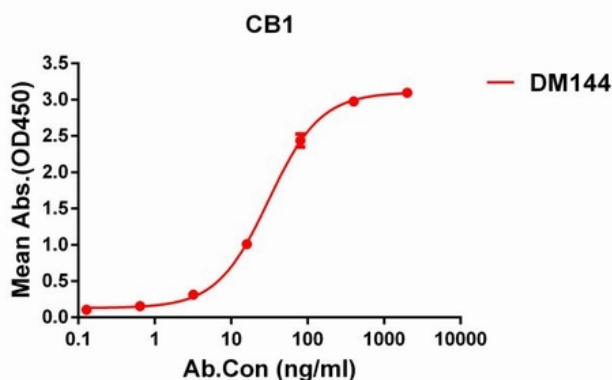


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CB1 protein, hFc tagged protein 11310 can bind Rabbit anti-CB1 monoclonal antibody (clone: DM144) in a linear range of 5-200 ng/ml.

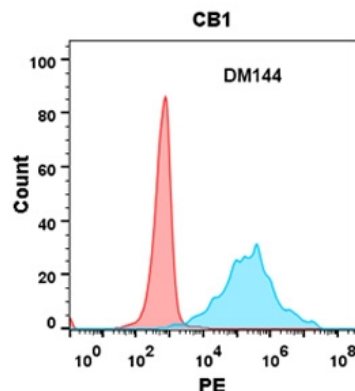


Figure 2. Flow cytometry analysis with Anti-CB1 (DM144) on Expi293 cells transfected with human CB1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).