9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-9317: Anti-CB1 antibody(DM144), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	DM144
Application :	ELISA,FACS
Reactivity :	Human
Alternative Name :	CANN6, CB-R, CB1, CB1A, CB1K5, CB1R, CNR

Description

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.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

ELISA 1/5000-10000;FACS 1/100

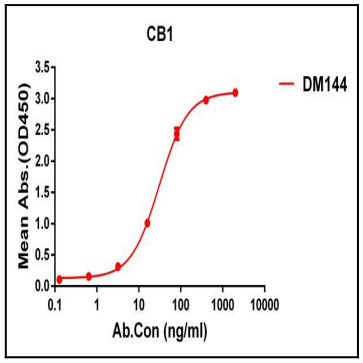

Figure 1. ELISA plate pre-coated by 1 Î¼g/ml (100 Î¼l/well) Human CB1 protein, hFc tagged protein can bind Rabbit anti-CB1 monoclonal antibody(clone: DM144) in a linear range of 5-200 ng/ml.

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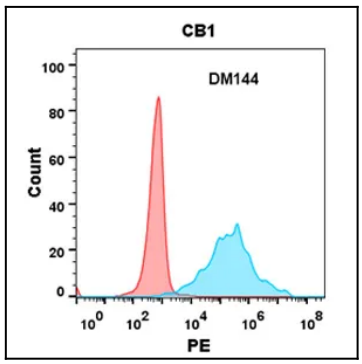

Figure 2. Flow cytometry analysis with Anti-CB1 (DM144) on Expi293 cells transfected with human CB1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).