

Basic Information

Product Name	Anti-Cannabinoid receptor 1/CNR1 DyLight 488 Conjugated Antibody
Gene Name	CNR1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Immunogen	E. coli-derived human Cannabinoid Receptor I recombinant protein (Position: M1-Q75).
Fluorophores	Amax=488nm; Emax=515-545nm
Conjugate	DyLight 488
Concentration	500ug/ml
Purification	Immunogen affinity purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 ⁶ cells

Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

Background Information

The cannabinoid receptor type 1, often abbreviated as CB1, is a G protein-coupled cannabinoid receptor located primarily in the central and peripheral nervous system. 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.

Selected Validation Data

Product datasheet

**Anti-Cannabinoid receptor 1/CNR1
DyLight 488 Conjugated Antibody**

Catalog Number: A01291-Dyl488



antibody and ELISA experts

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