



THC (C29): sc-58054

BACKGROUND

Tetrahydrocannabinol (THC) is the main psychoactive substance found in the *Cannabis* plant. The most likely function of this compound in *Cannabis* is to protect the plant from herbivores or pathogens. THC also has UV-B absorption properties at about 280-315 nm, thus protecting the plant from harmful radiation. The pharmacological actions of THC are caused by its binding to the cannabinoid receptor CB1 in the brain, resulting in analgesic effects. Other effects of TCH include relaxation, euphoria, disorientation, fatigue, appetite stimulation and an alteration of visual, auditory and olfactory senses. Research has shown the possibility of a beneficial role for THC in diseases such as multiple sclerosis, Parkinson's, cancer and Alzheimer's, though its status as an illegal drug in the United States makes research difficult.

REFERENCES

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SOURCE

THC (C29) is a mouse monoclonal antibody raised against 8-THC.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

THC (C29) is recommended for detection of THC (Cannabinoids) and metabolites by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with Opiates, Cocaine Metabolite, Amphetamines and Phencyclidine.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or for detailed protocols and support products.

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