



Anti-Tetrahydrocannabinol polyclonal antibody (DPBT-68310ST)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep Anti Tetrahydrocannabinol
Specificity	DPBT-68310ST recognises Delta 9-tetrahydrocannabinol (D9-THC), a psychoactive substance found in the Cannabis sativa plant. THC binds to cannabinoid receptor 1 mainly in the central nervous system and cannabinoid receptor 2 mainly in the immune system, partially activating them. It has mild analgesic effects and research indicates that it may be beneficial to AIDS and cancer patients by increasing appetite and decreasing nausea. THC might also reduce tumor size in cancers, and reduce plaque formation in Alzheimer's disease. It might also be used in the treatment of various other illnesses, such as glaucoma and multiple sclerosis. As such, there is support for using marijuana (the flowering tops of the female plant) medically. Potential negative side effects include short-term memory loss, psychosis, cardiac and cerebral abnormalities, coma and death. Marijuana might increase an individual's probability of more detrimental drug use. Marijuana is one of the most commonly used illegal substances. As a street drug it is sold as hashish (the plant resin) or marijuana. It is most commonly smoked in cigarette or pipe form, but can also be ingested in cake form or injected intravenously. Pure THC is seldom available on the black market.
Immunogen	Delta 9-tetrahydrocannabinol (COOH)-BSA.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	ELISA
Preparation	Purified IgG prepared by caprylic acid and ammonium sulphate precipitation

Format	Purified IgG - liquid
Concentration	IgG concentration 1mg/ml
Size	250 µg
Buffer	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction	Tetrahydrocannabinol (THC) also known as delta-9- tetrahydrocannabinol (Δ^9 -THC), Δ^1 -THC (using an older chemical nomenclature), or dronabinol, is the main psychoactive substance found in the cannabis plant. It was first isolated in 1964. In pure form, it is a glassy solid when cold, and becomes viscous and sticky if warmed. An aromatic terpenoid, THC has a very low solubility in water, but good solubility in most organic solvents.
Keywords	Tetrahydrocannabinol; THC; exo-THC; (-)-delta 9-tetrahydrocannabinol; delta 9-tetrahydrocannabinol; (-)-delta-9-THC; delta 9 THC, (-)-; delta-9-THC; delta 1-tetrahydrocannabinol