

Datasheet: MCA5727G

Description:	MOUSE ANTI TETRAHYDROCANNABINOL
Specificity:	TETRAHYDROCANNABINOL
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TH2A
Isotype:	IgG1
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			
Immunoassay	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Chemical
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

Specificity

Mouse anti Tetrahydrocannabinol antibody, clone TH2A recognises Tetrahydrocannabinol (THC), a psychoactive substance found in *Cannabis sativa*. 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. As such, there is some 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 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.

Intended Use	Bio-Rad recommends that the user determines this product's suitability for any particular application.
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

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