

## Datasheet: MCA5727G

<b>Description:</b>	MOUSE ANTI TETRAHYDROCANNABINOL
<b>Specificity:</b>	TETRAHYDROCANNABINOL
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TH2A
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Chemical
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>RRID</b>	AB_10842660

### 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.

<b>Intended Use</b>	Bio-Rad recommends that the user determines this product's suitability for any particular application.
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA5727G">https://www.bio-rad-antibodies.com/SDS/MCA5727G</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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**Printed on 12 Aug 2023**

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