



**Data Sheet (DS) 7TM0319D-IC**

**Issuing Date:** 2022-06-20

Description	pT376-MOP (IHC-grade, phospho) $\mu$ -Opioid Receptor Antibody
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 $\mu$ l

**Product Details**

Applications	This product has been reported to work in the following applications:	
		Dilution
	Immunohistochemistry	1:50
	<p>This information is derived from testing within our laboratories and peer-reviewed publications. Please refer to references indicated for further information. For general protocol recommendations, please visit <a href="https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/">https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/</a></p> <p>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.</p>	
Target Species	Human, Mouse, Rat	
Product Form	Purified IgG, liquid	
Antiserum Preparation	Antiserum to $\mu$ -Opioid Receptor was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.	
Immunogen	A synthetic phosphopeptide derived from human MOP around the phosphorylation site of Thr376.	
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide	
Specificity	Threonine376 (T376) is a major phosphorylation site of the $\mu$ -opioid receptor (MOP). The pT376-MOP antibody detects phosphorylation in response to high-efficacy agonists but to low-efficacy agonists or after PKC activation. T376 phosphorylation is a key regulator of MOP desensitization, $\beta$ -arrestin recruitment and tolerance. The pT376-MOP antibody can detect phosphorylated MOP in mouse brain in vivo.	
Guarantee	12 months from date of dispatch	
Storage	<p>Store at -20°C.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.</p>	
Regulatory	For research purposes only	

Health and Safety Information	Material Safety Data Sheet documentation is available at <a href="https://7tmantibodies.com/detail/index/sArticle/277">https://7tmantibodies.com/detail/index/sArticle/277</a> in the downloads section as: <a href="#">Safety Data Sheet EU</a> <a href="#">Safety Data Sheet US</a>
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### **Related Products**

[pS375-MOP \(IHC-grade, phospho\)  \$\mu\$ -Opioid Receptor Antibody](#)

[pT379-MOP \(IHC-grade, phospho\)  \$\mu\$ -Opioid Receptor Antibody](#)

[pS370-MOP \(phospho- \$\mu\$ -Opioid Receptor Antibody\)](#)

[pS363-MOP \(phospho- \$\mu\$ -Opioid Receptor Antibody\)](#)

[MOP \(non-phospho\),  \$\mu\$ -Opioid Receptor Antibody](#)

[MOP \(IHC-grade\),  \$\mu\$ -Opioid Receptor Antibody](#)

### **Details of the Supplier of the Data Sheet**

#### **Supplier**

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