



**Data Sheet (DS) 7TM0319C-IC**

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

Description	pS375-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 Ser375.	
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide	
Specificity	Serine375 (S375) is the primary phosphorylation site in a hierarchical phosphorylation cascade. The pS375-MOP antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. S375 phosphorylation is a key regulator of MOP desensitization, $\beta$ -arrestin recruitment and internalization. The pS375-MOP antibody can detect phosphorylated MOP in mouse brain in vivo.	
Guarantee	12 months from date of dispatch	
Storage	Store at -20°C. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.	
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/276/sCategory/694">https://7tmantibodies.com/detail/index/sArticle/276/sCategory/694</a> in the downloads section as: <a href="#">Safety Data Sheet EU</a> <a href="#">Safety Data Sheet US</a>
-------------------------------	---

### **Related Products**

[pT376-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**

7TM Antibodies GmbH

Hans-Knöll-Str. 6

07745 Jena – Germany

TEL: ++49 151 20130575

FAX: ++49 3641 241 49 58

Email: [info@7tmantibodies.com](mailto:info@7tmantibodies.com)

Website: [7tmantibodies.com](http://7tmantibodies.com)