



**Data Sheet (DS) 7TM0319C**

**Issuing Date:** 2022-06-21

Description	pS375-MOP (phospho- $\mu$ -Opioid Receptor Antibody)
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 $\mu$ l

**Product Details**

Applications	<p>This product has been reported to work in the following applications:</p> <table border="1"> <thead> <tr> <th></th> <th>Dilution</th> </tr> </thead> <tbody> <tr> <td>Western Blot</td> <td>1:1000</td> </tr> <tr> <td>Immunocytochemistry</td> <td>1:200</td> </tr> </tbody> </table> <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> 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>		Dilution	Western Blot	1:1000	Immunocytochemistry	1:200
	Dilution						
Western Blot	1:1000						
Immunocytochemistry	1:200						
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 be used for detection of the subcellular location of phosphorylated MOP by immunocytochemistry.						
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/7tm-phosphosite-specific-antibodies/opioid-receptors/opioid-receptor-mop/17/ps375-mop-phospho-opioid-receptor-antibody?c=86">https://7tmantibodies.com/7tm-phosphosite-specific-antibodies/opioid-receptors/opioid-receptor-mop/17/ps375-mop-phospho-opioid-receptor-antibody?c=86</a> in the downloads section as: <a href="#">Safety Data Sheet EU</a> <a href="#">Safety Data Sheet US</a>

### **Related Products**

[pT376-MOP \(phospho- \$\mu\$ -Opioid Receptor Antibody\)](#)

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

[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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