



## Rabbit polyclonal antibody to Endomorphin-1 (1-4): Affinity purified

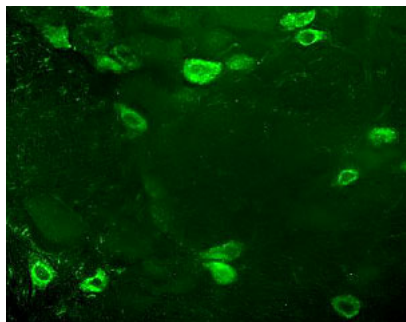
<b>Catalogue No.:</b>	R-1494-50
<b>Description:</b>	Endomorphins 1 and 2 are endogenous opioid peptides which have the highest affinity for the mu-opioid receptors. Located in various parts of the brain and interacts with mu-opioid receptors and produces analgesia.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	50 ug
<b>Antigen:</b>	Synthetic human Endomorphin-1 (YPWF) peptide conjugated to BSA. Selectivity towards Endomorphin-1 was achieved by separating fraction of affinity purified antibodies which did not bind to Endomorphin-2.
<b>Sequence:</b>	YPWF
<b>Antigen Location:</b>	1-4 aa
<b>Other Names:</b>	EM 1;
<b>Produced in:</b>	Rabbit
<b>Applications:</b>	A dilution of 5-10 ug/mL is recommended for immunohistochemistry using formalin fixed and paraffin embedded tissues and for 4% paraformaldehyde fixed frozen tissues. A dilution of 5-15 ug/mL is recommended for immunofluorescence. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Species Against:</b>	Human
<b>Antibody Against:</b>	Endomorphin-1
<b>Cross-reactivity:</b>	Human; mouse; rat. Endomorphin-1 is highly conserved so cross-reactivity with other species is expected. Cross-reactivity with other opioid peptides is as follows: with Endomorphin-2
<b>Form:</b>	Lyophilised with BSA
<b>Appearance:</b>	White powder
<b>Reconstitution:</b>	Reconstitute in 0.05 mL of PBS (pH 7.4) to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY



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Immunohistochemical staining in rat dorsal root ganglion (DRG). 4% paraformaldehyde fixed rat brain cryostat sections (10  $\mu\text{m}$ ) were incubated overnight at 4°C with Rabbit polyclonal antibody to Endomorphin-1 (5  $\mu\text{g}/\text{ml}$ ) followed by incubation with FITC conjugated secondary antibody.

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