

Datasheet: 6330-0106

Description:	SHEEP ANTI MORPHINE
Specificity:	MORPHINE
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 ml

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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			
Immunofluorescence	▪			
Immunoassay	▪			
Immuno-electron Microscopy	▪			

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 the appropriate negative/positive controls.

Target Species	Chemical
Product Form	Serum - liquid
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Immunogen	N-Carboxybutylnormorphine conjugated to KLH.
RRID	AB_619732

Specificity

Sheep anti Morphine antibody recognizes morphine and exhibits negligible cross-reactivity with codeine. Sheep anti Morphine antibody is suitable for use in polarisation fluoroimmunoassays using normorphine-N-hemisuccinate conjugated to FTC-ED as a tracer.

Morphine is a potent opiate analgesic drug that acts on the opioid receptors to regulate stress perception, pain control, reward behavior, and neurohormone secretion in reward-relevant brain systems.

References

1. Muller, A. *et al.* (2008) Endogenous morphine in SH-SY5Y cells and the mouse cerebellum. [PLoS One. 3: e1641.](#)
2. Goumon, Y. *et al.* (2000) *Ascaris suum*, an intestinal parasite, produces morphine. [J Immunol. 165: 339-43.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10081 available at: 10081: <https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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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://www.bio-rad-antibodies.com/datasheets)
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