

Datasheet: 4140-0355

Description:	MOUSE ANTI LEU-ENKEPHALIN
Specificity:	LEU-ENKEPHALIN
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	NOC.1
Isotype:	IgG
Quantity:	0.1 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 - Frozen	▪			1/100 - 1/400
Radioimmunoassays	▪			

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.

Species Cross Reactivity

Reacts with: Pig

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Tissue Culture Supernatant - liquid

Preservative Stabilisers

0.05% Thiomersal

Immunogen

Leu⁵-enkephalin conjugated to bovine serum albumin..

External Database Links

UniProt:

[P01210](#)

[Related reagents](#)

Entrez Gene:

RRID	AB_2283687
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Specificity	<p>Mouse anti Human Leu⁵-enkephalin antibody, clone NOC.1 recognizes both Met⁵- and Leu⁵-enkephalin, secreted peptides which mimic the effect of opiate drugs. Mouse anti Human Leu⁵-enkephalin antibody, clone NOC.1 recognizes well established enkephalin immunoreactive sites, but does not bind to areas known to contain beta-endorphin or dynorphin in IHC.</p> <p>Cross reactivity with Met⁵-enkephalin and lack of reactivity with the peptide Gly-Gly-Phe-Leu and other related peptides by inhibition of radiolabelled Leu⁵-enkephalin binding is noted (Andersson <i>et al.</i> 1995).</p>
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References	<ol style="list-style-type: none">1. Cuello, A. C. <i>et al.</i> (1984) Characterization and immunocytochemical application of monoclonal antibodies against enkephalins J Histochem Cytochem 32: 947 -9572. Kaleczyc, J. <i>et al.</i> (2002) Distribution, immunohistochemical characteristics and nerve pathways of primary sensory neurons supplying the porcine vas deferens. Cell Tissue Res. 310: 9-17.3. Bulc, M. <i>et al.</i> (2014) Immunohistochemical distribution of cocaine and amphetamine regulatory peptide-like immunoreactive (CART-LI) nerve fibers in the circular muscle layer and their relationship to other peptides in the human caecum. Acta Histochem. 116: 1029-36.4. Gańko, M. & Całka, J. (2014) Localization and chemical coding of the dorsal motor vagal nucleus (DMX) neurons projecting to the porcine stomach prepyloric area in the physiological state and after stomach partial resection. J Mol Neurosci. 52 (1): 90-100.5. Sienkiewicz, W. <i>et al.</i> (2010) Immunohistochemical characterization of neurones in the hypoglossal nucleus of the pig. Anat Histol Embryol. 39 (2): 152-9.6. Palus, K. & Całka, J. (2015) Alterations of neurochemical expression of the coeliac-superior mesenteric ganglion complex (CSMG) neurons supplying the prepyloric region of the porcine stomach following partial stomach resection. J Chem Neuroanat. 72: 25-33.7. Gańko, M. & Całka, J. (2014) Prolonged acetylsalicylic-acid-supplementation-induced gastritis affects the chemical coding of the stomach innervating vagal efferent neurons in the porcine dorsal motor vagal nucleus (DMX). J Mol Neurosci. 54 (2): 188-98.8. Rytel, L. <i>et al.</i> (2018) Neurochemical characterization of intramural nerve fibres in the porcine oesophagus. Anat Histol Embryol. Aug 14 [Epub ahead of print].
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Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10099 available at: 10099: https://www.bio-rad-antibodies.com/uploads/MSDS/10099.pdf
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG3 (HCA039...)	FITC , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP

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