



## Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com

### MOUSE ANTI-ENDORPHIN, $\beta$ MONOCLONAL ANTIBODY

CATALOG NUMBER	T-1605
QUANTITY	40 $\mu$ g
CONCENTRATION	1 mg/mL
SPECIFICITY	The antibody reacts with the amino terminal H-Tyr-Gly-Gly-Phe sequence of human $\beta$ -endorphin. Therefore, a high cross-reactivity with homologues of identical sequence, such as [Met]-enkephalin and [Leu]-enkephalin and a number of opioid peptides, occurs; the antibody also reacts with swine and camel O-endorphin. However, the antibody does not recognize human $\beta$ -lipotropin and N-acetyl- $\beta$ -endorphin (1,2,3).
IMMUNOGEN	Synthetic human $\beta$ -endorphin coupled with poly-lysine or thyroglobulin (1, 2) (H-Tyr-Gly-Gly-Phe sequence).
ISOTYPE	IgG <sub>2a</sub>
CLONE NAME	3-E7
APPLICATIONS	ELISA Immunohistochemistry Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES	Human, porcine and camel.
FORMAT	Purified immunoglobulin
PRESENTATION	Liquid in 0.02M Phosphate buffer with 0.25M NaCl and 0.1% sodium azide.
STORAGE/HANDLING	Maintain at 2-8°C in undiluted aliquots for up to 6 months.
REFERENCES	1 Gramsch, C. et al. (1983) <i>J. Neurochem.</i> <b>40</b> , 1220-1226. 2 Meo, T et al. (1983) <i>Proc. Natl. Acad. Sci. USA</i> <b>80</b> , 4084-4088. 3 Herz, A. et al. (1982) <i>Life Sci.</i> <b>31</b> , 1721-1724. 4 Oertel, W. H. et al. (1983) <i>Life Sci.</i> <b>33</b> , Sup. 1, pp. 73-76.

**For research use only; not for use in diagnostic procedures.**

**Important Note:**

*During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*