

Mouse Melanocortin-3 R/MC3R Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 345404

Catalog Number: FAB3737R
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects Melanocortin 3R/MC3R in direct ELISAs and Western blots. Stains mouse Melanocortin 3R/MC3R-transfected cells but not irrelevant transfectants.
Source	Monoclonal Rat IgG _{2A} Clone # 345404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Y3 rat myeloid cell line transfected with mouse Melanocortin 3R/MC3R
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Mouse Melanocortin 3R/MC3R transfected HEK293 cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Mouse Melanocortin 3R (MC3R) is a member of the melanocortin receptor family. The 323 amino acid G-protein-coupled 7-transmembrane glycoprotein is expressed in the brain where, along with MC4R, it binds α , β and γ melanocyte stimulating hormones and is involved in regulating energy balance. MC3R is also expressed by macrophages and plays an anti-inflammatory role in the heart and other tissues. Of the 69 aa that are extracellular, mouse MC3R shares 91% and 78% sequence identity with rat and human MC3R, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.