Human Melanocortin-5 R/MC5R Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 821012

Catalog Number: FAB8205S

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human Melanocortin-5 R/MC5R transfected cells but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_{2A} Clone # 821012
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Melanocortin-5 R/MC5R Met1-Asp325 Accession # P33032
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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	HEK293 human embryonic kidney cell line transfected with human Melanocortin-5 R/MC5R and eGFP

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.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Melanocortin 5R (MC5R) is a member of the melanocortin receptor family. The 325 amino acid G-protein-coupled 7-transmembrane glycoprotein is expressed in skeletal muscle, where engagement by a-melanocyte stimulating hormone increases glucose uptake and stimulates a thermogenic response. Expression is also found in sebaceous glands and other skin structures, and on selected hematopoietic cell lines. Human MC5R shares 80-81% amino acid sequence identity with mouse and rat MC5R.

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