

Human Myocilin APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 297823 Catalog Number: FAB34461A

100 Tests

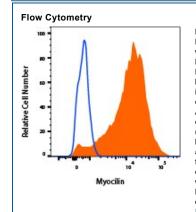
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Myocilin in direct ELISA.		
Source	Monoclonal Mouse IgG _{2B} Clone # 297823		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Myocilin Arg33-Met504 Accession # Q99972		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	Supplied 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	10 μL/10 ⁶ cells	See below

DATA



Detection of Myocilin in HEK293 cell line transfected with hMYOC vs irrelevant HEK293 transfectant cells by Flow Cytometry. HEK293 cell line transfected with hMYOC vs irrelevant HEK293 transfectant cells were stained with Mouse Anti-Human Myocilin APCconjugated Monoclonal Antibody (Catalog # FAB34461A, filled histogram) or isotype control antibody, open histogram). To facilitate intracellular staining. cells were fixed and permeabilized with Flow Cytometry Fixation Buffer (Catalog # FC004). View our protocol for Staining Intracellular Molecules.

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

Myocilin (also known as TIGR) is a variably glycosylated, 65 kDa, secreted polypeptide that belongs to the family of olfactomedin-related proteins. Human Myocilin is synthesized as a 490 aa precursor that contains an 18 aa signal sequence, an 84 aa N-terminus, a 53 aa α-helical leucine zipper and a 335 aa C-terminus that contains a 260 aa OLF-domain. An alternate start site generates a signal-sequenceless 504 aa mature protein. Myocilin forms nondisulfide-linked dimers and multimers. The human 32 kDa OLF-domain shares 87% aa sequence identity with the OLF-domain in bovine, rat, and mouse.

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