

## Datasheet

### MYOC monoclonal antibody (M02), clone 2B4

**Catalog Number:** H00004653-M02

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full-length recombinant MYOC.

**Clone Name:** 2B4

**Immunogen:** MYOC (AAH29261, 1 a.a. ~ 504 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MRFFCARCCSFGPEMPAVQLLLACLVDVGARTAQ  
LRKANDQSGRCQYTFVSASPNESSCPEQSQAMSVIH  
NLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARP  
QETQEGLQRELGLRRERDQLETQTRELETAYSNLLR  
DKSVLEEEKKRLRQENENLARRLESSSQEVARLRRGQ  
CPQTRDTARAVPPGSREVSTWNLDLAFQELKSELTE  
VPASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLR  
TAETITGKYGVWMRDPKPTYPTQETTWRIDTVGTDV  
RQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGS  
LYFQGAESRTVIRYELNTETVKAKEIPGAGYHGQFPY  
SWGTYDIDLAVDEAGLWVIYSTDEAKGAIVLSKLNPE  
NLELEQTWETNIRKQSVANAFICGTLYTVSSYTSADAT  
VNFAYDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLF  
AWDNLMVTDYDIKLSKM

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, S-ELISA, WB-Re, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2b Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to

avoid repeated freezing and thawing.

**Entrez GeneID:** 4653

**Gene Symbol:** MYOC

**Gene Alias:** GLC1A, GPOA, JOAG, JOAG1, TIGR, myocilin

**Gene Summary:** MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many ocular tissues, including the trabecular meshwork, and was revealed to be the trabecular meshwork glucocorticoid-inducible response protein (TIGR). The trabecular meshwork is a specialized eye tissue essential in regulating intraocular pressure, and mutations in MYOC have been identified as the cause of hereditary juvenile-onset open-angle glaucoma. [provided by RefSeq]