

# Product Datasheet

## Myocilin Antibody (4F8) - Azide and BSA Free H00004653-M01

Unit Size: 50 ug

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**H00004653-M01**

Myocilin Antibody (4F8) - Azide and BSA Free

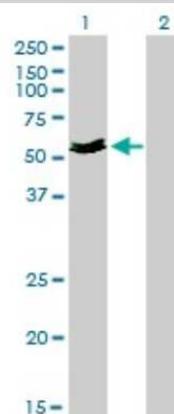
Product Information	
Unit Size	50 ug
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F8
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4653
Gene Symbol	MYOC
Species	Human, Mouse
Specificity/Sensitivity	MYOC - myocilin, trabecular meshwork inducible glucocorticoid response
Immunogen	MYOC (AAH29261, 36 a.a. ~ 135 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. QLRKANDQSGRCQYTFVSPNESSCPEQSQAMSVIHNLQRDSSSTQRLDLEA TKARLSSLESLLHQLTLDQAARPQETQEGLQRELGLRRERDQLETQT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

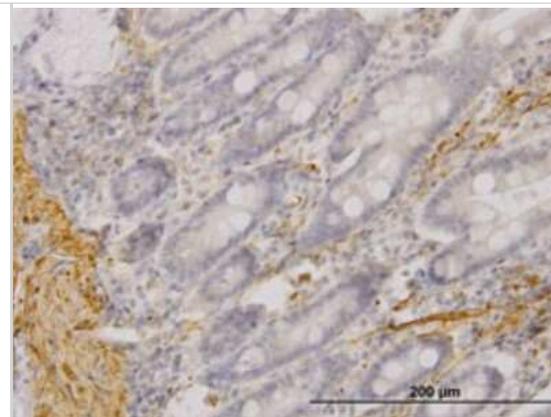
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin, Knockdown Validated
Application Notes	Antibody reactivity against recombinant protein for WB. It has been used for IHC-P, RNAi Validation and ELISA.

**Images**

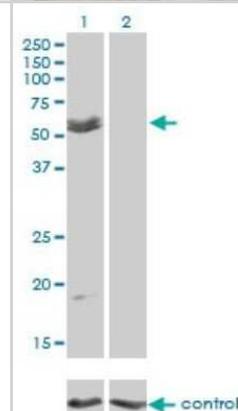
Western Blot: Myocilin Antibody (4F8) [H00004653-M01] - Analysis of MYOC expression in transfected 293T cell line by MYOC monoclonal antibody (M01), clone 4F8. Lane 1: MYOC transfected lysate(57 KDa). Lane 2: Non-transfected lysate.



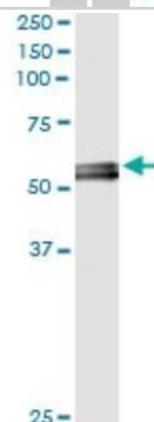
**Immunohistochemistry-Paraffin: Myocilin Antibody (4F8) [H00004653-M01]** - Analysis of monoclonal antibody to MYOC on formalin-fixed paraffin-embedded human small Intestine. Antibody concentration 3 ug/ml.



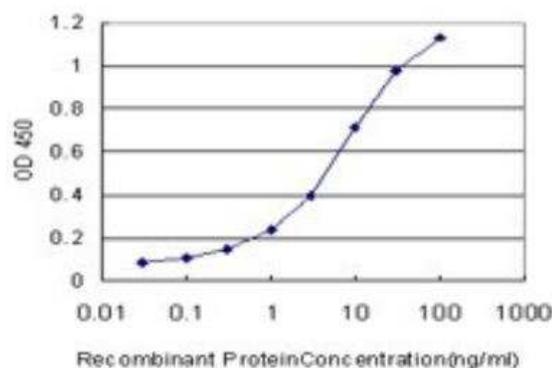
**Western Blot: Myocilin Antibody (4F8) [H00004653-M01]** - Analysis of MYOC over-expressed 293 cell line, cotransfected with MYOC Validated Chimera RNAi ( Cat # H00004653-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with MYOC monoclonal antibody (M01), clone 4F8 (Cat # H00004653-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



**Immunoprecipitation: Myocilin Antibody (4F8) [H00004653-M01]** - Analysis of MYOC transfected lysate using anti-MYOC monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MYOC MaxPab rabbit polyclonal antibody.



**ELISA: Myocilin Antibody (4F8) [H00004653-M01]** - Detection limit for recombinant GST tagged MYOC is approximately 0.3ng/ml as a capture antibody.



## Publications

Xiangji W, Qilong C, Shen W et al. Magnetic Nano-Platform Enhanced iPSC-Derived Trabecular Meshwork Delivery and Tracking Efficiency. *Int J Nanomedicine*. 2022-03-22 [PMID: 35345785]

Millar JC and Clark AF. Glucocorticoid Receptor Transactivation Is Required for Glucocorticoid-Induced Ocular Hypertension and Glaucoma. *Invest Ophthalmol Vis Sci*. 2019-05-01 [PMID: 31050723]

Patel GC, Liu Y, Millar JC et al. Glucocorticoid receptor GR $\alpha$  regulates glucocorticoid-induced ocular hypertension in mice. *Sci Rep* 2018-01-16 [PMID: 29339763]





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### **Products Related to H00004653-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004653-P01-10ug	Recombinant Human Myocilin GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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