

Human Myocilin (MYOC) ELISA Kit | MYOC elisa kit

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CATALOG #
AAA331572

REACTIVITY
Human

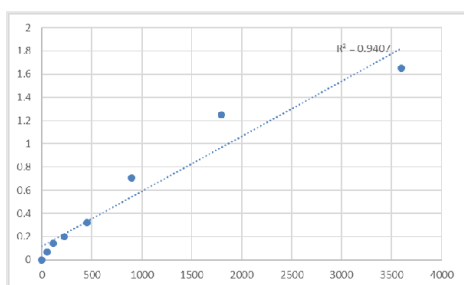
PRODUCT SYNONYMS

Myocilin (MYOC); Human Myocilin (MYOC) ELISA Kit; MYOC; GLC1A; GPOA; JOAG; JOAG1; TIGR; myocilin; mutated trabecular meshwork-induced glucocorticoid response protein; MYOC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myocilin (MYOC) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYOC. No significant cross-reactivity or interference between Human MYOC and analogues was observed.
Sequence Length	504
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Myocilin (MYOC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYOC elisa kit	Description: This Human Myocilin (MYOC) ELISA Kit employs a two-site sandwich ELISA to quantitate MYOC in samples. An antibody specific for MYOC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYOC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYOC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MYOC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3024209
NCBI GeneID	4653
UniProt Accession #	Q99972
NCBI Official Full Name	Myocilin
NCBI Official Synonym Full Names	myocilin
NCBI Official Symbol	MYOC
NCBI Official Synonym Symbols	GPOA; JOAG; TIGR; GLC1A; JOAG1
NCBI Protein Information	myocilin
UniProt Protein Name	Myocilin
UniProt Gene Name	MYOC
UniProt Synonym Gene Names	GLC1A; TIGR
UniProt Entry Name	MYOC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myocilin-myoc/331572>