

Human Myocilin ELISA Kit | MYOC elisa kit

Human Myocilin ELISA Kit PicoKine

CATALOG # AAA127999	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

PRODUCT SYNONYMS

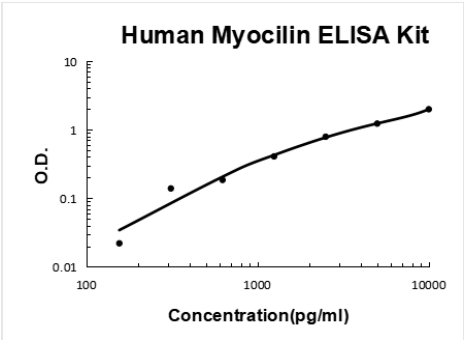
Myocilin; Human Myocilin ELISA Kit PicoKine; MYOC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	156pg/ml-10,000pg/ml
Sensitivity	<75pg/ml
Capture antibody and Detection antibody	polyclonal antibody from goat polyclonal antibody from goat
Immunogen	Expression system for standard: HEK293; Immunogen sequence: L215-M504
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for MYOC elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration(pg/ml)01563126251,2502,5005,00010,000O.D.0.0260.0430.0860.2310.5681.0851.5232.002
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean(pg/ml)27055026772214944349Standard deviation8.121.5155.417.6727.57277.9CV(%)3%3.9%2.1%3.5%5.6%6.4%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 12702231952232287.273.2%Sample 255059561558658733.785.8%Sample 326772970438448623723103.882.8%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human Myocilin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MYOC elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for MYOC elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	3024209
NCBI GeneID	4653
UniProt Accession #	Q99972; O00620; Q7Z6Q9; B2RD84
Molecular Weight	504
NCBI Official Full Name	Myocilin
NCBI Official Synonym Full Names	myocilin, trabecular meshwork inducible glucocorticoid response
NCBI Official Symbol	MYOC
NCBI Official Synonym Symbols	GPOA; JOAG; TIGR; GLC1A; JOAG1; myocilin
NCBI Protein Information	myocilin; myocilin 55 kDa subunit; mutated trabecular meshwork-induced glucocorticoid response protein
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.