

Human Monoglyceride Lipase (MGLL) ELISA Kit | MGLL elisa kit

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CATALOG #
AAA331779

REACTIVITY
Human

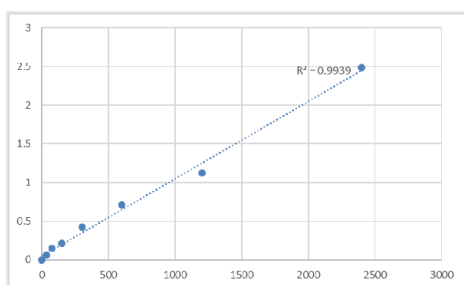
PRODUCT SYNONYMS

Monoglyceride Lipase (MGLL); Human Monoglyceride Lipase (MGLL) ELISA Kit; MGLL; HU-K5; HUK5; MGL; lysophospholipase-like; monoacylglycerol lipase; MGLL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Monoglyceride lipase (MGLL) ELISA Kit has high sensitivity and excellent specificity for detection of Human MGLL. No significant cross-reactivity or interference between Human MGLL and analogues was observed.
Sequence Length	283
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 Monoglyceride lipase (MGLL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MGLL elisa kit	Description: This Human Monoglyceride lipase (MGLL) ELISA Kit employs a two-site sandwich ELISA to quantitate MGLL in samples. An antibody specific for MGLL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MGLL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MGLL 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 MGLL bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MGLL encodes a serine hydrolase of the AB hydrolase superfamily that catalyzes the conversion of monoacylglycerides to free fatty acids and glycerol. Monoglyceride lipase plays a critical role in several physiological processes including pain and nociperception through hydrolysis of the endocannabinoid 2-arachidonoylglycerol. Expression of this gene may play a role in cancer tumorigenesis and metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for MGLL.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	375268702
NCBI GeneID	11343
NCBI Accession #	NP_001243514.1
NCBI GenBank Nucleotide #	NP_001243514.1
UniProt Accession #	Q99685
NCBI Official Full Name	monoglyceride lipase isoform 3
NCBI Official Synonym Full Names	monoglyceride lipase
NCBI Official Symbol	MGLL
NCBI Official Synonym Symbols	MGL; HUK5; MAGL; HU-K5
NCBI Protein Information	monoglyceride lipase
UniProt Protein Name	Monoglyceride lipase
UniProt Gene Name	MGLL
UniProt Synonym Gene Names	MGL; MAGL
UniProt Entry Name	MGLL_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/monoglyceride-lipase-mgll/331779>