

Human Membrane Protein MLC1 (MLC1) ELISA Kit | MLC1 elisa kit

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CATALOG #
AAA331756

REACTIVITY
Human

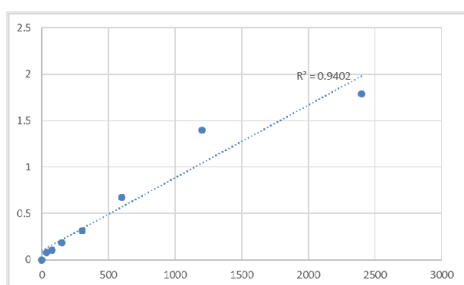
PRODUCT SYNONYMS

Membrane Protein MLC1 (MLC1); Human Membrane Protein MLC1 (MLC1) ELISA Kit; MLC1; RP3-355C18.4; KIAA0027; LVM; MLC; VL; megalencephalic leukoencephalopathy with subcortical cysts 1 gene product; MLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Membrane protein MLC1 (MLC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MLC1. No significant cross-reactivity or interference between Human MLC1 and analogues was observed.
Sequence Length	377
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 Membrane protein MLC1 (MLC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MLC1 elisa kit	Description: This Human Membrane protein MLC1 (MLC1) ELISA Kit employs a two-site sandwich ELISA to quantitate MLC1 in samples. An antibody specific for MLC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MLC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MLC1 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 MLC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The function of MLC1 product is unknown; however, homology to other proteins suggests that it may be an integral membrane transporter. Mutations in MLC1 have been associated with megalencephalic leukoencephalopathy with subcortical cysts, an autosomal recessive neurological disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14589896
NCBI GeneID	23209
NCBI Accession #	NP_055981.1
NCBI GenBank Nucleotide #	NP_055981.1
UniProt Accession #	Q15049
NCBI Official Full Name	membrane protein MLC1
NCBI Official Synonym Full Names	modulator of VRAC current 1
NCBI Official Symbol	MLC1
NCBI Official Synonym Symbols	VL; LVM; MLC
NCBI Protein Information	membrane protein MLC1
UniProt Protein Name	Membrane protein MLC1
UniProt Gene Name	MLC1
UniProt Synonym Gene Names	KIAA0027; WKL1
UniProt Entry Name	MLC1_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.