

Human E3 Ubiquitin-Protein Ligase MYLIP (MYLIP) ELISA Kit | MYLIP elisa kit

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CATALOG #
AAA331598

REACTIVITY
Human

PRODUCT SYNONYMS

E3 Ubiquitin-Protein Ligase MYLIP (MYLIP); Human E3 Ubiquitin-Protein Ligase MYLIP (MYLIP) ELISA Kit; MYLIP; RP1-13D10.1; IDOL; MIR; band 4.1 superfamily member BZF1; cellular modulator of immune recognition (c-MIR); MYLIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human E3 ubiquitin-protein ligase MYLIP (MYLIP) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYLIP. No significant cross-reactivity or interference between Human MYLIP and analogues was observed.
Sequence Length	445
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 E3 ubiquitin-protein ligase MYLIP (MYLIP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYLIP elisa kit	Description: This Human E3 ubiquitin-protein ligase MYLIP (MYLIP) ELISA Kit employs a two-site sandwich ELISA to quantitate MYLIP in samples. An antibody specific for MYLIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYLIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYLIP 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 MYLIP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The ERM protein family members ezrin, radixin, and moesin are cytoskeletal effector proteins linking actin to membrane-bound proteins at the cell surface. Myosin regulatory light chain interacting protein (MYLIP) is a novel ERM-like protein that interacts with myosin regulatory light chain and inhibits neurite outgrowth. E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of myosin regulatory light chain (MRLC), LDLR, VLDLR and LRP8. Activity depends on E2 enzymes of the UBE2D family. Proteasomal degradation of MRLC leads to inhibit neurite outgrowth in presence of NGF by counteracting the stabilization of MRLC by saposin-like protein (CNPY2/MSAP) and reducing CNPY2-stimulated neurite outgrowth. Acts as a sterol-dependent inhibitor of cellular cholesterol uptake by mediating ubiquitination and subsequent degradation of LDLR.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38788243
NCBI GeneID	29116
NCBI Accession #	NP_037394.2
NCBI GenBank Nucleotide #	NP_037394.2
UniProt Accession #	Q8WY64
NCBI Official Full Name	E3 ubiquitin-protein ligase MYLIP
NCBI Official Synonym Full Names	myosin regulatory light chain interacting protein
NCBI Official Symbol	MYLIP
NCBI Official Synonym Symbols	MIR; IDOL
NCBI Protein Information	E3 ubiquitin-protein ligase MYLIP
UniProt Protein Name	E3 ubiquitin-protein ligase MYLIP
UniProt Gene Name	MYLIP
UniProt Synonym Gene Names	BZF1; IDOL; Idol; MIR
UniProt Entry Name	MYLIP_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.