

Human Phosphatidylinositol-Binding Clathrin Assembly Protein (PICALM) ELISA Kit | PICALM elisa kit

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CATALOG #
AAA331391

REACTIVITY
Human

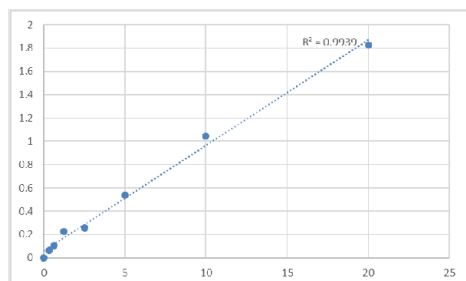
PRODUCT SYNONYMS

Phosphatidylinositol-Binding Clathrin Assembly Protein (PICALM); Human Phosphatidylinositol-Binding Clathrin Assembly Protein (PICALM) ELISA Kit; PICALM; CALM; CLTH; LAP; clathrin assembly lymphoid-myeloid leukemia; phosphatidylinositol-binding clathrin assembly protein; PICALM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphatidylinositol-binding clathrin assembly protein (PICALM) ELISA Kit has high sensitivity and excellent specificity for detection of Human PICALM. No significant cross-reactivity or interference between Human PICALM and analogues was observed.
Sequence Length	652
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 Phosphatidylinositol-binding clathrin assembly protein (PICALM) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PICALM elisa kit	Description: This Human Phosphatidylinositol-binding clathrin assembly protein (PICALM) ELISA Kit employs a two-site sandwich ELISA to quantitate PICALM in samples. An antibody specific for PICALM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PICALM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PICALM 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 PICALM bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Dreyling et al. (1996) identified a breakpoint on chromosome 11 involving the previously unknown gene, CALM. CALM has a very high homology to the murine clathrin assembly protein ap3. Mao et al. (2001) determined the crystal structure of the N-terminal domain (the NAP domain) of the Drosophila Lap protein, which is homologous to human PICALM. The structure revealed a novel fold consisting of a large double layer of sheets of 10 alpha helices and a unique site for binding phosphoinositides. This motif is found in other proteins predicted to have domains of similar structure (e.g., Huntingtin-interacting protein-1). The structure is in part similar to the epsin N-terminal (ENTH) domain, but epsin lacks the phosphatidylinositol-4,5-bisphosphate-binding site.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56788366
NCBI GeneID	8301
NCBI Accession #	NP_009097
NCBI GenBank Nucleotide #	NP_009097.2
UniProt Accession #	Q13492
NCBI Official Full Name	phosphatidylinositol-binding clathrin assembly protein isoform 1
NCBI Official Synonym Full Names	phosphatidylinositol binding clathrin assembly protein
NCBI Official Symbol	PICALM
NCBI Official Synonym Symbols	LAP; CALM; CLTH
NCBI Protein Information	phosphatidylinositol-binding clathrin assembly protein
UniProt Protein Name	Phosphatidylinositol-binding clathrin assembly protein
UniProt Gene Name	PICALM
UniProt Synonym Gene Names	CALM
UniProt Entry Name	PICAL_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/phosphatidylinositol-binding-clathrin-assembly-protein-picalm/331391>