

Human Layilin, LAYN ELISA Kit | LAYN elisa kit

Human Layilin, LAYN Primacu ELISA Kit

CATALOG #
AAA124327

REACTIVITY
Human

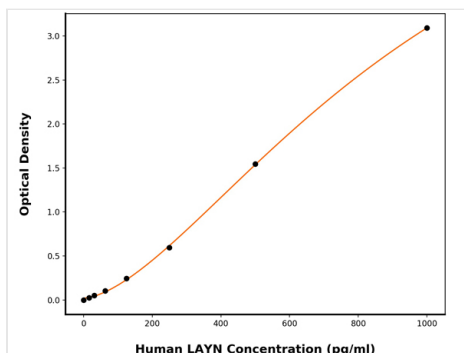
PRODUCT SYNONYMS

Layilin; LAYN; Human Layilin; LAYN Primacu ELISA Kit; LAYN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	15.625-1000pg/mL
Sensitivity	3.21pg/mL
Standard Solution	10ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for LAYN elisa kit	Layilin recently characterized as a 55 kDa transmembrane protein with homology to C-type lectins, is present in numerous cell lines and tissue extracts. As one of the adaptor proteins, talin mediates the interactions between the actin filaments and the cell membrane by binding to integral membrane proteins and the cytoskeleton. Layilin is a newly identified membrane-binding site for talin in peripheral ruffles of spreading cells, a ten-amino acid motif in the Layilin cytoplasmic domain is sufficient for talin binding, and its adjacent LH2-LH3 tandem arrays in the cytoplasmic domain provide docking sites for talin. Furthermore, talin binds Layilin, PIPK1gamma, and integrins in similar although subtly different ways. Layilin binds specifically to hyaluronan (HA) through its extracellular domain, a ubiquitous extracellular matrix component in most animal tissues and body fluids, but not to other tested glycosaminoglycans. The research suggests that Layilin may mediate signals from the extracellular matrix to the cell cytoskeleton via interaction with different intracellular binding partners and thereby be involved in the modulation of cortical structures in the cell. All the above actions reveal an interesting parallel between Layilin and the known HA receptor CD44. Also, merlin and radixin have been identified as different intracellular binding partners of Layilin. Accordingly, it has been suggested that Layilin plays roles in a variety of cellular processes, including cell shape, adhesion, motility, and homeostasis, as well as signal transduction. Besides, Layilin might play an important role in the process of invasion and lymphatic metastasis of lung carcinoma.
Product Categories/Family for LAYN elisa kit	Primacu ELISA Kit; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	74738165
NCBI GeneID	143903
UniProt Accession #	Q6UX15; Q8TAY8; Q96NC5; Q96NF3; A6NJB0; B4DJU0
Molecular Weight	382
NCBI Official Full Name	Layilin
NCBI Official Synonym Full Names	layilin
NCBI Official Symbol	LAYN
NCBI Protein Information	layilin
UniProt Protein Name	Layilin
UniProt Gene Name	LAYN
UniProt Entry Name	LAYN_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/layilin-layn/124327>