



LSAMP (Y-13A): sc-74210

BACKGROUND

LSAMP (limbic system-associated membrane protein), also known as LAMP, is a neuronal surface glycoprotein found in cortical and subcortical regions of the limbic system expressed on the surface of somata and proximal dendrites of neurons. It is a member of the immunoglobulin (Ig) superfamily and belongs to the IgLON subfamily of cell adhesion molecules. LSAMP contains three Ig domains and a glycosylphosphatidylinositol anchor. It is a highly conserved protein between rodents and humans (99% sequence identity) and it is involved in the regulation of neurite outgrowth and mediation of proper circuit formation of limbic pathways. This suggests that LSAMP plays an important role in the development and function of the limbic system. In addition, LSAMP may function as a tumor suppressor in renal carcinomas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LSAMP (human) mapping to 3q13.31.

SOURCE

LSAMP (Y-13A) is a mouse monoclonal antibody raised against full length recombinant LSAMP of human origin.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

LSAMP (Y-13A) is recommended for detection of LSAMP of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of LSAMP: 64-68 kDa.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.