BACKGROUND

Plasmin (fimbrins) are members of a family of actin-binding proteins that exhibit a tissue-specific expression pattern. Both L- and T-Plasmin have been shown to be involved in cytoskeletal reorganization. L-Plasmin, which is specifically expressed in hematopoietic cell lineages, has been proposed to be involved in the control of cell adhesion and motility. It is frequently expressed in cell lines derived from mammary solid tumors and is implicated in cancer invasion and metastasis. L-Plasmin is also expressed in the majority of human cancer cell lines that are derived from various types of solid tumors. Additionally, L-Plasmin is involved in regulating leukocyte adhesion, and the phosphorylation of L-Plasmin is implicated in modulating integrin signaling pathways. T-Plasmin is unique in that it is expressed in many types of tissues and notably absent in leukocytes.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: LCP1 (human) mapping to 13q14.13; Lcp1 (mouse) mapping to 14 D3.

SOURCE

L-Plasmin (B-9) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 298-331 within an internal region of L-Plasmin of human origin.

PRODUCT

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

L-Plasmin (B-9) is available conjugated to agarose (sc-133218 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-133218 HRP), 200 µg/ml, for WB, IHCP (HRP), and ELISA; to either phycocerythrin (sc-133218 PE), fluorescein (sc-133218 FITC), Alexa Fluor® 488 (sc-133218 AF488), Alexa Fluor® 546 (sc-133218 AF546), Alexa Fluor® 594 (sc-133218 AF594) or Alexa Fluor® 647 (sc-133218 AF647), 200 µg/ml, for WB (RGB), IF, IHCP (AF594) and FCM; and to either Alexa Fluor® 680 (sc-133218 AF680) or Alexa Fluor® 790 (sc-133218 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-133218 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

SELECT PRODUCT CITATIONS


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.