

Monoclonal Antibody to Human Plastin-L

Catalog No.:	DM3177
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	LPL4A.1
Immunogen:	Human recombinant L-plastin protein.
Applications:	Western Blotting: Ab 1-2µg/ml for 2h at RT. Immunofluorescence: Fixed in methanol or 3% paraformaldehyde. Immunoprecipitation (Ref.2)(Native): Use Protein G; Ab 2µg/mg protein lysate. Recommended positive control: Human Polymorphonuclear Neutrophils and Monocytes. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Is a leukocyte specific actin bundling protein from the fibrin family of proteins. It has two actin-binding domains and two EF hand type calcium-binding domains. It gets phosphorylated on the serine residue in its headpiece region in response to a variety of inflammatory stimuli. It is hypothesized that L-plastin may play a role in regulating integrin mediated adhesion in leukocytes. L-plastin is expressed in majority of human cancer cell lines derived from solid tumors. Its expression is positively upregulated by testosterone in androgen receptor positive prostate and breast cancer cells through three androgen receptor binding elements located in the upstream region of the gene. Ab-1 does not react with T- or Iplastin1. Reacts with Human. Does not react with Mouse. Others not tested. Cellular Localization: cytoplasmic.
	Mol. Wt of Antigen: 62kD
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	1. Jones S L, Brown

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com