

Recombinant Gelsolin Monoclonal Antibody

catalog number: **AN301824L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

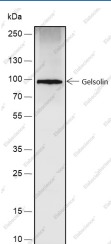
Reactivity	Human
Immunogen	Recombinant human Gelsolin fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C371446
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

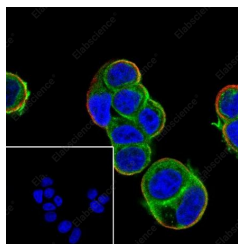
WB	1:500-1:2000
IF	1:50
FCM	1:50-1:100

Data

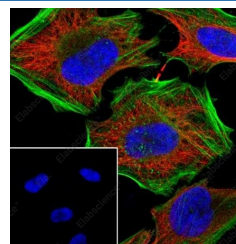


Western Blot with Gelsolin Monoclonal Antibody at dilution of 1:2000. Lane 1: Human plasma

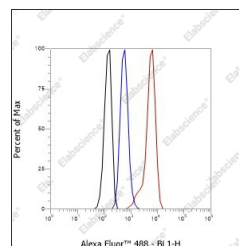
Observed-MW:81 kDa
Calculated-MW:81 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed MCF-7 cells using anti-Gelsolin Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-Gelsolin Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human Gelsolin expression on HL-60 cells. Cells were stained with purified anti-Human Gelsolin, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.3

Gelsolin shares structural and functional homology to villin and adseverin/scinderin. It plays an important role in actin filament assembly by capping and severing actin proteins in a Ca^{2+} -dependent manner. Gelsolin is important for cellular events that require cytoskeletal remodeling. Accordingly, cells from gelsolin knockout mice exhibit motility defects, including a failure to ruffle in response to growth factor stimulation. In humans, defects in gelsolin have been linked to amyloidosis type 5 (AMYL5), a hereditary disease characterized by cranial neuropathy, which appears to result from gelsolin amyloid deposition.