

## Recombinant Gelsolin Monoclonal Antibody

catalog number: AN301824L

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

### Description

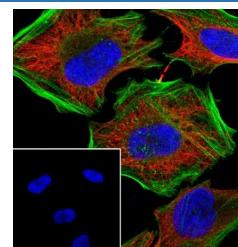
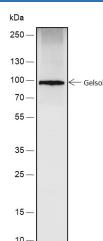
<b>Reactivity</b>	Human;
<b>Immunogen</b>	Recombinant human Gelsolin fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, κ
<b>Clone</b>	A536
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IF</b>	1:50
<b>FCM</b>	1:50-1:100

### Data

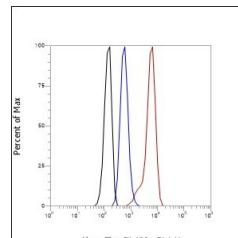
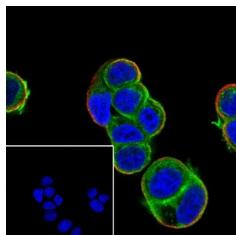


Western Blot with Gelsolin Monoclonal Antibody at dilution of Immunofluorescent analysis of (4% Paraformaldehyde) fixed 1:2000. Lane 1: Human plasma

HeLa cells using anti-Gelsolin Monoclonal Antibody at dilution of 1:50.

**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.

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

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

### Background

### For Research Use Only

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Rev. V1.1

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 Ca2+-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.

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