# Recombinant Calpastatin Monoclonal Antibody

**catalog number:** **AN301454L**

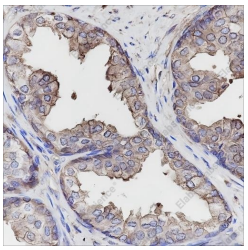
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

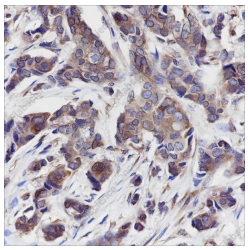
| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant human Calpastatin fragment |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C341077 |
| **Purification** | Protein A purified |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

| Applications | Recommended Dilution |
|---|---|
| **IHC** | 1:200-1:1000 |
| **IF** | 1:50 |
| **FCM** | 1:50-1:100 |

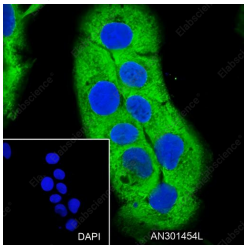
## Data



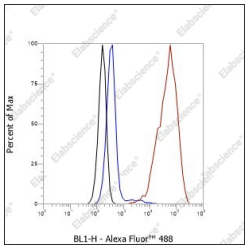
Immunohistochemistry of paraffin-embedded Human prostate hyperplasia using Calpastatin Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human breast cancer using Calpastatin Monoclonal Antibody at dilution of 1:1000.




Immunofluorescent analysis of (100% Ice-cold methanol) fixed HaCaT cells using anti-Calpastatin Monoclonal Antibody at dilution of 1:50.




Flow cytometric analysis of human Calpastatin expression on HeLa cells. Cells were stained with purified anti-Human Calpastatin, 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


Toll-free: 1-888-852-8623
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Specific inhibition of calpain (calcium-dependent cysteine protease). Plays a key role in postmortem tenderization of meat and have been proposed to be involved in muscle protein degradation in living tissue.


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