**Product Name:** **CAPN1 Mouse Monoclonal Antibody**
**Catalog #:** **AMM82264**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | ELISA,FC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG1 |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Purified antibody in PBS with 0.05% sodium azide |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 81.9kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | CAPN1 |
| **Alternative Names** | CANP; muCL; CANP1; SPG76; CANPL1; muCANP |
| **Gene ID** | 823.0 |
| **SwissProt ID** | P07384 |
| **Immunogen** | Purified recombinant fragment of human CAPN1 (AA: 501-714) expressed in E. Coli. |

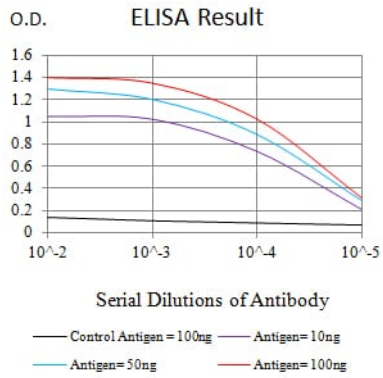
## Background

The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of

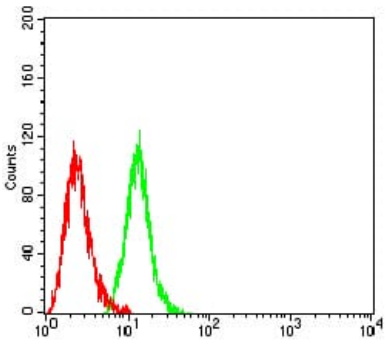
the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

## Research Area

## Image Data




Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)




Flow cytometric analysis of Hela cells using CAPN1 mouse mAb (green) and negative control (red).