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# Product Description

## $\mu$ -Calpain

**Product:**  $\mu$ -Calpain isolated from human erythrocytes (10  $\mu$ g).

**Lot No.:** HET-6.

**Form:** Liquid, in 50 mM imidazole-HCl, 100mM NaCl, 5mM EGTA, 1mM DTT and 10% sucrose.

**Storage:** Store at -20°C. Avoid repeated freezing and thawing.

### Description

This protein consists of an 80 kDa large subunit and a 30 kDa small subunit. The protein was purified by sequential chromatography through DEAE-Sepharose, A1.5m Bio-Gel, and Phenyl-Sepharose CL-4B columns. This protein can be used for adsorption tests and immunoblots.

For fluid-phase adsorption in immunohistochemistry we suggest the following procedure:

- Dilute 1  $\mu$ l of the antiserum against  $\mu$ -calpain (Swant) in 1 ml of the usual buffer for immunohistochemistry (final dilution 1:1'000).
- Add 1  $\mu$ g of the protein to 1 ml of the diluted antibody solution and mix well.
- Incubate for at least 6 hours in the cold.
- Apply to tissue-sections and incubate for 3 days.

### References

Lane et al. (1992) A comparison of the intracellular distribution of  $\mu$ -calpain, m-calpain and calpastatin in proliferating human A431 cells. *Exp. Cell Res.* **203**:5-16.