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Product Description

Calpastatin

10 µg

Product: Calpastatin isolated from human erythrocytes (**10 µg**).

Lot No.: BHI-36.

Form: Liquid, in 50 mM Imidazole-HCl, 0.2 mM EGTA, 1 mM DTT, pH 7.4.

Reconstitution: wikth 20 µl bi-dest. water.

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

Description:
this protein consists of a single 70 kDa protein. If either the 130 or the 70 kDa form degrades, they will form immunoreactive fragments of less than 70 kDa. Calpastatin was purified by heat precipitation of other proteins, followed by Affi-Gel Blue chromatography. This protein can be used for immunoblots and absorption experiments.

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

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

- Dilute 1 µl of the antiserum against calpastatin (Swant) in 1 ml of the usual buffer for immunohistochemistry (final dilution 1:1'000).
- Add 1 µg 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.
- Complete the immunohistochemical reaction as usual (biotinylated second antibody, ABC-complex, DAB).

As a result, the immunostaining should be strongly reduced or even completely prevented.