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# Product Description

## Rat Calbindin D-28 (recombinant)

**Product:** Rat calbindin D-28k (recombinant) produced in Escherichia Coli.

**Lot No.:** 1 (17.07.06)

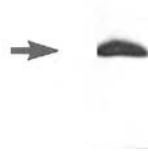
**Form:** lyophilized 10 or 100 µg in 12 µl of 50 mM NaHCO<sub>3</sub>.

**Reconstitution:** with 10 or 20 µl of bidistilled water.

### Description

This recombinant protein has been purified by FPLC and migrates as a single band. The figure shows a gel stained with a *very sensitive silver stain*.

Silver stained SDS-PAGE of FPLC-purified rat recombinant calbindin D-28k. The arrow mark the full length native calbindin D-28k (28 kDa). This preparation may contain trace amounts of Escherichia Coli proteins



This protein can be used for immunoblots, absorption experiments in immunohistochemistry, radioimmunoassay and intracellular injection.

For adsorption we suggest the following procedure:

- Dilute 1 µl of the monoclonal antibody 300 against calbindin D-28k in 5 ml of the usual buffer for immunohistochemistry (final dilution 1:5'000).
- Add 1 µg of the recombinant 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.

### Storage

After reconstitution, freeze in small aliquots (e.g. 1 µg) and keep at -80°C. Avoid repeated freezing and thawing.