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Product Description

Recombinant Calretinin

mouse, 100 µg

(AgCR100abs)

For immunoblot and absorption experiments

Product: HPLC-purified mouse calretinin (recombinant, 100 µg) produced in *Escherichia Coli*, after *in vitro* cDNA synthesis.

Use: This protein can be used for immuoblots and absorption experiments. For intracellular microinjection experiments we suggest using our other product AgCR10ic or AgCR100ic.

Lot No.: 12 (20-17)

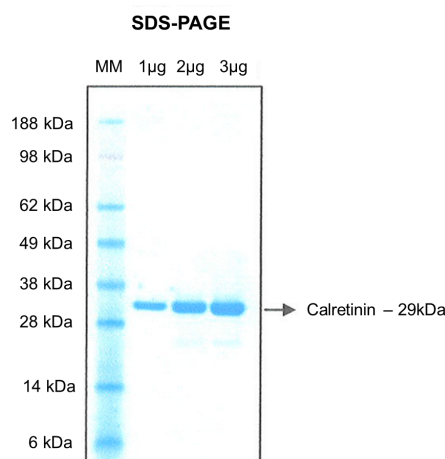
Form: 100 µg in 250 µl of 50 mM NaHCO₃ with **high CaCl₂** (0.01 mM). Lyophilized.

Reconstitution: with 250 µl of bi-distilled water.

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

Description: This recombinant protein has been purified by HPLC and migrates as a single band of approximately 29 kDa. The figure shows a gel stained with Coomassie-blue.

SDS-PAGE of HPLC-purified mouse recombinant calretinin. The arrow marks the full-length native calretinin (29 kDa).



For adsorption experiments aimed at proofing the specificity of the immunostaining, we suggest the following procedure:

- Dilute 1 µl of one of the Swants antibodies against calretinin 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 secondary antibody, Streptavidin-fluorescence (or peroxidase, followed by DAB-H₂O₂).

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