



Rte Ancienne Papeterie  
PO Box 327,  
CH-1723 Marly 1 (Switzerland)

Fax: +41 91 825 76 08  
info@swant.com  
www.swant.com

## Product Description

### Recombinant Parvalbumin

mouse, 100 µg  
**(AgPV100abs)**

For immunoblot and adsorption experiments

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

**Use:** This protein can be used for immunoblots, and adsorption experiments in immunohistochemistry. For intracellular injections in neurons with microelectrodes, we suggest using our other product AgPV10ic or AgPV100ic.

**Lot No.:** 11 (20-17)

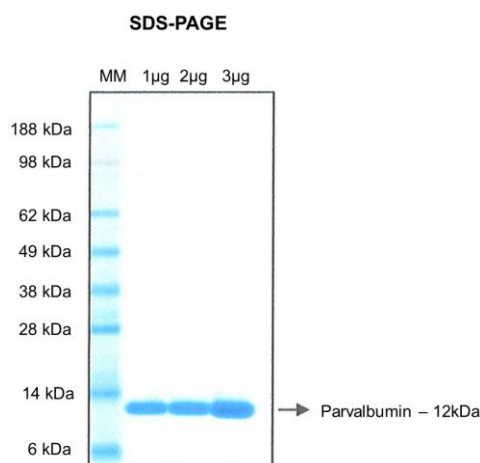
**Form:** 100 µg in 45 µl, 20 mM NaHCO<sub>3</sub> (lyophilized) with **high CaCl<sub>2</sub>** (0.1 mM). Lyophilized.

**Reconstitution:** with 45 µl of bi-distilled water.

**Storage:** After reconstitution freeze in small aliquots (e.g. 1 or 10 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 12 kDa. The figure shows a gel stained with Coomassie-blue.

SDS-PAGE of HPLC-purified mouse recombinant parvalbumin. The arrow marks the full-length native parvalbumin 12 kDa



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

- Dilute 1 µl of one of the Swants antibodies against parvalbumin 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-Cy2 (or other fluorescent dyes), or peroxidase (followed by DAB-H<sub>2</sub>O<sub>2</sub>).

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