

## gp210

### Antigen Specification

**Product Number: 19000**

**Description:**

Human nuclear pore protein gp210. Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

**Expression construct:**

Recombinant construct carrying multiple concatenated copies of the short cytoplasmic gp210 C-terminus (which contains the autoreactive epitopes), fused to a hexa-histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 80 %); Western blot with i: PBC sera; ii: monoclonal anti-hexa-His-tag antibody.

**Calculated molecular weight:**

25,344 Dalton

**Calculated isoelectric point:**

pH 9.8

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard analysis of positive/negative sera panels); immunodot test.

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 6 M urea (to maintain denatured state). Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

**Coating concentration:**

0.4-1.0 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

Copyright 2008 – 2010 DIARECT AG