

## Recombinant Human 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 (checker-board analysis of positive/negative sera panels), immuno-dot 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:  $-70^{\circ}$  to  $-80^{\circ}$  C. Repeated freeze/thaw cycles should be avoided.

**Coating concentration:**

0.4-1.0  $\mu\text{g/ml}$  (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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