

## gp210

### Antigen Specification

**Product Number: 19000**

**Description:**

Human nuclear pore protein gp210.  
Recombinant antigen for in vitro  
research and manufacturing use only.

**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: anti-gp210 autoantibody-  
positive sample; ii: monoclonal anti-  
His-tag antibody.

**Calculated molecular weight:**

25 kDa

**Calculated isoelectric point:**

pH 9.8

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard  
analysis of positive/negative samples);  
immunodot analyses with  
positive/negative samples.

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

Recommendations for storage buffer:  
neutral to slightly alkaline pH and 6 M  
urea (to maintain denatured state).  
Storage conditions: -70°C or below.  
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 labeling of functional  
groups.

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