

## 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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