

## Nup62

### Antigen Specification

**Product Number: 19400**

**Description:**

Human nucleoporin p62 (Nup62).  
Recombinant antigen for research use  
or manufacturing 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:**

Full-length cDNA coding for the human  
nucleoporin p62 fused to a deca-  
histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 80%); Western-  
blot with i: polyclonal anti-Nup62  
antibodies; ii: monoclonal anti-hexa-  
His-tag antibody.

**Calculated molecular weight:**

54,626 Dalton

**Calculated isoelectric point:**

pH 5.91

**Immunological tests/Functionality:**

Standard ELISA test (checker-board  
analysis of positive/negative sera  
panels), immunodot and microarray  
test with positive/negative sera panels.

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

Recommendations for storage buffer:  
ion strength around 200 mM salt,  
neutral to slightly alkaline pH.  
Storage conditions: -70°C or below.  
Repeated freeze/thaw cycles should  
be avoided.

**Coating concentration:**

0.5-1.0 µg/ml (depending on the type  
of ELISA plate and coating buffer).  
Suitable for labeling of functional  
groups.

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