

MONOCLONAL ANTIBODIES IN IMMUNODIAGNOSIS AND IMMUNOTHERAPY  
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## Monoclonal Antibodies

### Monoclonal Antibody NZ-1 Against PA Tag

#### Antigen Used for Immunization

Synthetic peptides of EGGVAMPGAEDDVV.

#### Method of Immunization

SD rats were immunized by neck s.c. injections of the synthetic peptide EGGVAMPGAEDDVV (hpp3851), corresponding to amino acids 38–51 of human podoplanin with Freund's complete adjuvant. One week later, secondary i.p. immunization was performed. The booster injection was given i.p. 2 days before spleen cells were harvested.

#### Parental Cell Line Used for Fusion

Mouse myeloma P3U1.

#### Selection and Cloning Procedure

The culture supernatants were screened using ELISA for binding to EGGVAMPGAEDDVV.

#### Heavy and Light Chains of Immunoglobulin

IgG<sub>2a</sub>, lambda.

#### Specificity

Western blot analysis showed that NZ-1 reacted with only PA-tagged recombinant proteins.

#### Specific Antigen Identified

PA tag.

#### Availability

Tissue culture supernatant	Yes ✓	No
Ascitic fluid	Yes ✓	No
Hybridoma cells	Yes	No ✓

#### References

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