

Pembentukan antibodi poliklonal globular head neuraminidase virus influenza A H5N1

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Abstrak

Penelitian bertujuan untuk mendapatkan antibodi poliklonal kelinci yang distimulasi oleh protein rekombinan globular head neuraminidase (NA) dan mengukur titer antibodi poliklonal. Protein rekombinan globular head NA berhasil diekspresikan secara intraseluler pada sel E.coli BL21 codon plus dengan induksi IPTG 0,1 mM dan dipurifikasi menggunakan resin Ni-NTA. Protein rekombinan globular head NA yang telah dipurifikasi digunakan sebagai antigen untuk menstimulasi antibodi poliklonal kelinci.

Hasil penelitian menunjukkan bahwa telah dihasilkan antibodi poliklonal terhadap globular head neuraminidase dan titer antibodi paling tinggi dihasilkan sebesar 1,352.

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<i>The aim of this study was to determine rabbit polyclonal antibody stimulated by neuraminidase (NA) globular head recombinant protein and also to measure the polyclonal antibody titer. NA globular head recombinant protein has been expressed in E.coli BL21 codon plus intracellularly induced by 0,1 mM IPTG and has been purified by Ni-NTA resin. The purified of NA globular head recombinant was used as antigen to stimulate rabbit polyclonal antibody.

The result shows that rabbit polyclonal antibody of neuraminidase globular head was produced and the highest antibody titer was 1,352.</i>