

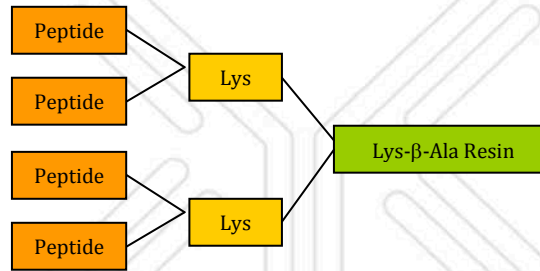


POLYCLONAL ANTIBODIES AGAINST SYNTHETIC PEPTIDE

According to our standard procedure, Polyclonal Antibody production includes use of 2 rabbits or 6 mice or 4 rats immunized with:

- 1 or more synthetic peptides conjugated to carrier protein (either OVA or KLH)
- 1 or more MAP peptides

The MAP (multiple antigenic peptide) system utilizes the α - and ϵ -amino functional groups of lysine to form an inert core to which multiple peptide chains are anchored. Depending on the number of lysine different numbers of peptide branches can be synthesized (either 4 or 8). The result is a large macromolecule and does not require further conjugation to a carrier protein.



- Free of charge selection of the most immunogenic sequence

STANDARD PROTOCOL FOR IMMUNIZATION WITH SYNTHETIC PEPTIDE:

| IMMUNIZATION TIME | SYNTHETIC PEPTIDE | | |
|----------------------------|-----------------------|------------------------|-----------------------|
| | RABBIT | MOUSE | RAT |
| Preimmune serum collection | 1 ml/rabbit | 300 μ l serum pool | 2 ml serum pool |
| T0 1st immunization | 300 μ g Ag in CFA | 50 μ g Ag in CFA | 150 μ g Ag in CFA |
| T21 2nd immunization | 300 μ g Ag in IFA | 50 μ g Ag in IFA | 150 μ g Ag in IFA |
| T28 3rd immunization | 300 μ g Ag in IFA | 50 μ g Ag in IFA | 150 μ g Ag in IFA |
| T35 4th immunization | 300 μ g Ag in IFA | 50 μ g Ag in IFA | 150 μ g Ag in IFA |
| T42 Bleed + ELISA* test | 500 μ l | 50 μ l | 50 μ l |
| T45 5th immunization | 150 μ g Ag in IFA | 50 μ g Ag in IFA | 150 μ g Ag in IFA |
| Final Bleed | 40-50 ml/rabbit | 0.2-0.5 ml/mouse | 3-7 ml/rat |



The quality of the antibodies is verified by ELISA test against free peptide/s (antigen) or against peptide conjugated to a different carrier compared to the one used for immunization.

STANDARD PROTOCOL FOR IMMUNIZATION WITH SYNTHETIC MAP:

| IMMUNIZATION TIME | MAP | | |
|----------------------------|------------------|-------------------|------------------|
| | RABBIT | MOUSE | RAT |
| Preimmune serum collection | 1 ml/rabbit | 300 µl serum pool | 2 ml serum pool |
| T0 1st immunization | 400 µg Ag in CFA | 60 µg Ag in CFA | 200 µg Ag in CFA |
| T21 2nd immunization | 400 µg Ag in IFA | 60 µg Ag in IFA | 200 µg Ag in IFA |
| T28 3rd immunization | 400 µg Ag in IFA | 60 µg Ag in IFA | 200 µg Ag in IFA |
| T35 4th immunization | 400 µg Ag in IFA | 60 µg Ag in IFA | 200 µg Ag in IFA |
| T42 Bleed + ELISA* test | 500 µl | 50 µl | 50 µl |
| T45 5th immunization | 200 µg Ag in IFA | 60 µg Ag in IFA | 200 µg Ag in IFA |
| Final Bleed | 40-50 ml/rabbit | 0.2-0.5 ml/mouse | 3-7 ml/rat |

***Serum positivity is guaranteed at a dilution of the serum equivalent to 1:10,000 as compared to pre-immune serum in ELISA test**

CFA Complete Freund Adjuvant

IFA Incomplete Freund Adjuvant

TIME REQUIRED:

| ANTIGEN | TIME REQUIRED | | |
|-------------------|---------------|--------------|--------------|
| | RABBIT | MOUSE | RAT |
| SYNTHETIC PEPTIDE | 2.5/3 months | 2.5/3 months | 2.5/3 months |
| MAP | 2.5/3 months | 2.5/3 months | 2.5/3 months |



DELIVERED PRODUCTS:

| DELIVERED PRODUCTS | RABBIT | MOUSE | RAT |
|---------------------------|-----------------|-------------------|----------------|
| Preimmune sera | 1 ml/rabbit | 150 µl serum pool | 1ml serum pool |
| Immune sera | 40-50 ml/rabbit | 0.2-0.5 ml/mouse | 3-7 ml/rat |
| free peptides/Map | 3 mg/each | 3 mg/each | 3 mg/each |

ADDITIONAL SERVICES (at additional charge):

| ADDITIONAL SERVICES | RABBIT | MOUSE | RAT |
|---|---------------|--------------|------------|
| Testing of 5 or 10 preimmune sera to select animals before immunization | yes | no | no |
| Prolongation of immunization protocol | yes | yes | yes |
| Affinity Purification against antigen of half serum/animal keeping separated each purified prep of each animal) + ELISA test | yes | no | no |
| Affinity Purification against antigen of total serum/animal keeping separated each purified prep of each animal) + ELISA test | yes | no | no |
| Affinity Purification against Protein A of half serum/animal keeping separated each purified prep of each animal) + ELISA test | yes | no | no |
| Affinity Purification against Protein A of total serum/animal keeping separated each purified prep of each animal) + ELISA test | yes | no | no |