



POLYCLONAL ANTIBODIES AGAINST ANTIGEN SUPPLIED BY CUSTOMER

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

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

received by customer.

Different antigen samples, like for example protein band excised from SDS-PAGE, can be accepted but success is not guaranteed by Primm.

ANTIGEN	ANTIGEN QUANTITY		
	RABBIT	MOUSE	RAT
PROTEIN in PBS or TRIS buffer or UREA buffer	1.5 mg, 0.5 mg/ml	1.5 mg, 0.5 mg/ml	1.5 mg, 0.5 mg/ml
LYOPHILIZED SYNTHETIC PEPTIDE/S	6 mg	6 mg	6 mg

STANDARD PROTOCOL FOR IMMUNIZATION WITH SOLUBLE PROTEIN:

IMMUNIZATION TIME	PROTEIN		
	RABBIT	MOUSE	RAT
Preimmune serum collection	1 ml/rabbit	300 µl serum pool	2 ml serum pool
T0 1st immunization	200 µg Ag in CFA	50 µg Ag in CFA	100 µg Ag in CFA
T21 2nd immunization	100 µg Ag in IFA	20-40 µg Ag in IFA	50 µg Ag in IFA
T28 3rd immunization	100 µg Ag in IFA	20-40 µg Ag in IFA	50 µg Ag in IFA
T35 Bleed + ELISA* test	500 µl	50 µl	50 µl
T37 4th immunization	50-100 µg Ag in IFA	10-20 µg Ag in IFA	25 µg Ag in IFA
Final Bleed	40-50 ml/rabbit	0.2-0.5 ml/mouse	3-7 ml/rat



STANDARD PROTOCOL FOR IMMUNIZATION WITH SYNTHETIC PEPTIDES:

IMMUNIZATION TIME	PEPTIDE		
	RABBIT	MOUSE	RAT
Preimmune serum collection	1 ml/rabbit	300 µl serum pool	2 ml serum pool
T0 1st immunization	300 µg Ag in CFA	50 µg Ag in CFA	150 µg Ag in CFA
T21 2nd immunization	300 µg Ag in IFA	50 µg Ag in IFA	150 µg Ag in IFA
T28 3rd immunization	300 µg Ag in IFA	50 µg Ag in IFA	150 µg Ag in IFA
T35 4th immunization	300 µg Ag in IFA	50 µg Ag in IFA	150 µg Ag in IFA
T42 Bleed + ELISA* test	500 µl	50 µl	50 µl
T45 5th immunization	150 µg Ag in IFA	50 µg Ag in IFA	150 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 against the protein antigen.**

CFA Complete Freund Adjuvant
IFA Incomplete Freund Adjuvant

TIME REQUIRED:

ANTIGEN	TIME REQUIRED		
	RABBIT	MOUSE	RAT
PROTEIN	1.5/2 months	1.5/2 months	1.5/2 months
SYNTHETIC PEPTIDE	1.5/2 months	1.5/2 months	1.5/2 months



DELIVERED PRODUCTS:

DELIVERED PRODUCTS	RABBIT	MOUSE	RAT
Preimmune sera	1 ml/rabbit	300 µl serum pool	2 ml serum pool
Immune sera	40-50 ml/rabbit	0.2-0.5 ml/mouse	3-7 ml/rat

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	<u>Required Antigen Qt.</u> 6 mg lyophilized free peptide or 3 mg protein 0.5 mg/ml	no	no
Affinity Purification against antigen of total serum/animal keeping separated each purified prep of each animal) + ELISA test	<u>Required Antigen Qt.</u> 6 mg lyophilized free peptide or 5 mg protein 0.5 mg/ml	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