# Rabbit Polyclonal Serum Projects for the

# Weizmann Institute

# 2017

This document summarizes our proposal for the preparation of polyclonal antibodies in rabbits for researchers in the Weitzman Institute. The basic package deal contains:

1. 2 Rabbits
2. An amount of 60ml serum per rabbit and ~2 ml of test bleed.
3. One shipment, at the end of project to Dr. Orith Leitner (Head of the Antibody Unit) that will concentrate all the contacts with the researchers.
4. One immunization and four boosts will be done to each animal.
5. After the 4th booster and during the next three weeks 60ml serum will be taken.
6. The animal will be kept for 3-4 months with 4-5 boosts. Elongation of the immunization protocol or extra serum production (no more than 250 ml per animal) will have extra costs.
7. Sigma will allow the researchers to evaluate the serum and to send their instructions (continuation/termination) via Dr. Orith Leitner for extra two weeks with no extra charge.
After these two weeks there will be extra charge for each day of the rabbit’s maintenance.

***Please note:***

1. Sigma-Aldrich makes all the efforts to provide its customers the desired custom Abs. However, Sigma-Aldrich cannot guarantee the ability of antisera to recognize the target protein of interest according to the applications of the researcher.
2. No antibody will be made to a viable pathogen or protein extracts from pathogens that

are consider as BL3 risk.

1. Automatic termination and rabbits’ extermination at end of project or in case of illness.

## ANTIGEN REQUIREMENTS:

1. Please send no less than the minimum amount required per two animals.
Recommendation:
Proteins – 100 ug per rabbit and per booster
Peptides – 250 ug per rabbit and per booster
2. Antigens may be submitted in a variety of buffers. The best buffer for the animals is PBS or saline however, we have successfully used buffers as TRIS, 6-8M Urea, distilled water, HEPES and SDS. An ideal concentration of the antigen is 1mg/ml.
3. Gel slices may be stained (usually Coumassie Blue) and detained prior to submission as an antigen. Please rinse the gel well with distilled water to remove any residual acid or alcohol. You need to estimate the amount of protein in the gel slice. Finally, place the gel slice in a tube (no buffer added; do not lyophilize or homogenize).

## ANTIGEN DESCRIPTION

|  |
| --- |
| **Antigen Name:** |
| Recombinant Protein [ ]  Yes [ ]  No |
| Produced in [ ]  e.coli, [ ]  tissue culture (describe) [ ]  other (describe) |
| Amount \_\_\_\_\_\_\_\_ mg |  |
| Number of vials: \_\_\_\_\_\_\_ | Antigen Storage: [ ]  4oC [ ]  -20oC [ ]  -80°C | Antigen Size/Mol. Wt: \_\_\_\_\_ |
| [ ]  Liquid - Diluent: \_\_\_\_\_\_\_\_\_\_\_\_\_ Amount:\_\_\_\_\_\_\_\_\_ mg Concentration\_\_\_\_\_\_\_\_\_ mg/mLAmount per vial \_\_\_\_\_\_\_\_\_ml  | [ ]  DryAmount: \_\_\_\_\_\_\_\_ mg  | [ ]  Gel Amount: \_\_\_\_\_\_\_\_\_\_\_ mgConcentration: \_\_\_\_\_\_mg/mL |
| Is antigen conjugated to a carrier?  | [ ]  No  | [ ]  Yes *(identify carrier)* \_\_\_\_\_\_\_\_\_\_\_\_ |

**Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ANTIGEN/PROTEIN/Ab SAFETY:** Approval is needed from Production or/and QC Manager prior to shipment of antigen with known hazards (any YES response in this section). It is the client's responsibility to fully disclose the nature of such materials, clearly identify them, and ship them in compliance with all applicable regulations and guidelines. In addition, the client retains liability for the toxic, or infectious agents supplied to perform the requested protocol.

Does antigen contain radioactive material? No/Yes *(describe)*

Is antigen known to be toxic? No/Yes *(describe)*

Is antigen from, or related to human, cow, goat, sheep or chicken derived material? No/Yes *(describe)*

Does antigen contain live bacteria, virus, fungus, or protozoan? No/Yes *(describe)*

Does antigen contain killed or inactivated bacteria, virus, fungus, or protozoan? No/Yes (*inactivation & validation method)*

Antigen biohazard classification: No Bio Hazard, BSL 1, BSL 2, BSL 3 or 4 not accepted

| Schedule | Day |
| --- | --- |
| **Pre-Immune Bleed and Ag Injection**  | **1** |
| **Antigen Injection (Booster 1)** | **14** |
| **Antigen Injection (Booster 2)** | **28** |
| **Antigen Injection (Booster 3)** | **42** |
| **Test bleed** | **50 \*** |
| **Antigen Injection (Booster 4)** | **56** |
| **Sera collection** | **70-90** |
| **Animal extermination**  | **120 \*\*** |

\* Test bleed will be supplied within 7 days. End user should test the performance of the bleed and send instructions until day 70 (before starting sera collection). Otherwise, bleed collection will be started as scheduled.

\*\* Unless the end user will send Sigma-Aldrich specific instruction about animal termination.

\*\*Daily housing charges begin accruing day 120. Unless there are specific instructions from end-user.

***Please note:***

This products supplied by Sigma-Aldrich are not for human or drug use. Sigma-Aldrich does not warrant that the products are suitable for any purpose of the purchaser, whether or not such purpose has been notified to Sigma-Aldrich. The purchaser hereby undertakes to indemnify Sigma-Aldrich against any claim that may be made against it by any third party arising from the use or sale of the hybridoma/antibodies by the purchaser.

## Price Quotation:

**\_\_Price:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ILS\_\_\_\_\_**

Polyclonal Ab development with test bleed 4,400 ILS

Polyclonal Ab development without test bleed 4,100 ILS

Polyclonal Ab development with Peptide\* 7,400 ILS

Additional serum production per ml 25 ILS

Protein A/G purification (60ml/per rabbit) 3,000 ILS

Affinity purification (60ml/per rabbit) 3,600 ILS

Extra charge for each day of the rabbit's maintenance 39 ILS

 \* Peptide Synthesis (80% purity, 25mg), Conjugation to KLH (10mg) – extra 3 weeks.

## Conditions:

* 1. Terms are net, 30 days, ex. works, and exclusive of VAT.
	2. This quotation made without engagement and on a subject unsold basis. Orders placed against this quotation are subject to our acceptance.
	3. Sigma-Aldrich doe not guaranty the success of any part of the production processes.

If you have any further questions please do not hesitate to contact me.

With best regards,

Nurit Nachshon

Sales account manager

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