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| 1. Immunization and Polyclonal Antibody Production
 |
| 1. Indicate antigen(s) to be used:
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| 1. Indicate Adjuvant(s) to be used. Complete table and add more rows if needed:
 |
| Adjuvant | Initial or subsequent immunization |
|   |   |
|   |   |
| 1. Source of adjuvant
 |   |
| 1. Complete table for immunizations
 |
| Route | Site | Frequency | Volume(adjuvant + antigen) |
|   |   |   |   |
|   |   |   |   |
| 1. Describe any potential complications or adverse side effects and actions to be taken to address pain or distress.
 |
|   |
| 1. Describe method of harvest of antibodies. *Include frequency, volume per collection and total, method of collection, site, route, if animal will be anesthetized, restrained and other relevant information.*
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|   |
| 1. Monoclonal Antibody Production using Ascites Method

*There is evidence that ascites production causes discomfort, distress, and/or pain and alternatives are available using in vitro techniques.*  |
| 1. Please provide justification for ascites production and why alternatives are not suitable for project. Cite references:
 |
|   |
| 1. Number of injections and volume administered per injection:
 |
|   |
| 1. Describe the frequency and volume of fluid being collected:
 |
|   |
| 1. How long do you plan to maintain animals with ascites?
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|   |
| 1. Describe any potential complications or adverse side effects:
 |
|   |
| 1. Identify all experimental endpoints:
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|   |
| 1. Describe the methods that will be used to minimize discomfort, distress and pain [*if anesthetic, analgesic, tranquilizing or other drugs will be given, please fill out table on original protocol, but explain in detail the administering method, monitoring procedures and duration below]*:
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|   |
| 1. Who will monitor animals and how often:
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