FMA01# FastAb Mouse Adjuvant

Part I: Introduction

Product Name	FastAb Mouse Adjuvant
Catalog Number	FMA01
Product Description	**FastAb Mouse Adjuvant** produced by KMD Bioscience has independent intellectual property rights and unique formulas, and it is used for mouse polyclonal and monoclonal antibody production with high titers. Compared with conventional Freund's adjuvant, FastAb Mouse Adjuvant has many advantages: fewer immunization shots, lower antigen dosage, higher titer, higher antibody affinity, less damage to the natural conformation of the antigen, and easy to transport and preserve.
Size	200ul/vial
Shipping Condition	Blue Ice
Storage	Store at +4℃ up to 6-12 months. Avoid repeated freezing and thawing

Part II: Immunization Schedule

1. **Immunogen Dilution:** Calculate the required amount of the immunogen, dilute the immunogen with sterile PBS or SPSS(stroke-physiological saline solution) to 2 times of its final concentration.
   Mice: 50-100 ul per injection except for the final boost when 100-200 ul should be used.
   Rats: 50-100 ul per injection except for the final boost when 100-200 ul should be used.
2. Take **10ul adjuvant** under sterile condition and mix with the immunogen at the volume ratio of 1:5-1:10, mix the solution thoroughly.
3. Inject the mice/rat with the immunogen & adjuvant mixture 50ul subcutaneously.
4. **Immunization Timetable:**

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The 1th Day:

Follow Step1 to Step3.

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The 10th Day:

Repeat the injection. ELISA detection of the serum titer.

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The 17th Day:

Repeat the injection and bleed. ELISA detection of the serum titer.

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The 24th Day:

Bleed and Repeat the injection. ELISA detection of the serum titer.

Generally, after the forth injection, the ELISA titer is around 10^4-10^7 , whole blood can be collected or the antigen impulse immunization and spleen cell fusion can be performed according to traditional procedure. According to our experimental result, the serum titer (protein immunogen) will peak after 3rd/ 4th injection.

Notification: This product is for research use (RUO) and investigational use only (IUO). IT CAN NOT BE USED ON HUMAN OR DIAGNOSTIC PROSEDURE.

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