

Product Details

Summary

Product Name	RTiterFast™
Appearance	Clear, faintly bluish solution
Description	<p>RTiterFast adopts the same neutral, water-based polymer system to bind antigens without compromising structure and to provide depot-like slow release in vivo. Excipients are human-grade; the formulation is non-toxic, non-immunogenic, and highly biocompatible with a low injection-site reactogenicity profile. Protein-free—no anti-adjuvant antibodies. Shortened cycles and reduced antigen consumption lower overall cost.</p> <p>Use cases: rabbit polyclonal production and Single B-cell monoclonal development; validated in WB, IHC, IP, IF, ELISA (sandwich/indirect), neutralization, etc.</p>

Advantage

- Neutral pH, water-based; preserves antigen integrity
- Depot-like release; robust immunogenicity
- Low reactogenicity; excellent biocompatibility
- Protein-free; no anti-adjuvant antibodies
- Shorter cycles; reduced antigen usage and cost
- Optimized for rabbits; suitable for Single B workflows

Performance track record: 1,972 New Zealand White rabbits.

Storage	4–8 °C; do not freeze
Shelf life	24 months

Standard Operating Procedure (SOP)

Schedule	Day 0, 7, 14; collect serum Day 21. If titers are low, boost once on Day 21–22.
Antigen scope & dose	<p>Proteins / inactivated pathogens / VLPs: 40–60 µg per mouse.</p> <p>Peptides / small molecules (carrier-conjugated): 80–120 µg per mouse.</p>
Preparation	<p>First dose: adjust antigen to 300 µL, mix with 100 µL RTiterFast (total 400 µL).</p> <p>Subsequent doses: mix recommended antigen mass with 100 µL adjuvant.</p>
Route & volume	Total 400 µL per rabbit; subcutaneous multi-site, intraperitoneal, or intramuscular (posterior lower leg recommended).
Notes	Transient precipitate after mixing is normal—mix and inject without delay. Optimized for rabbits; other species may show reduced performance. Use care opening vial.

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