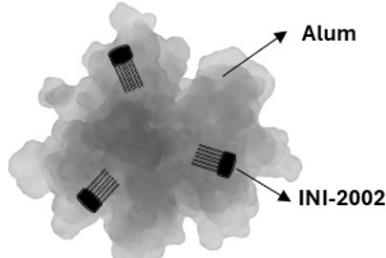


Valens™ T4AH

Novel TLR4 Agonist & Aluminum Hydroxide Adjuvant System

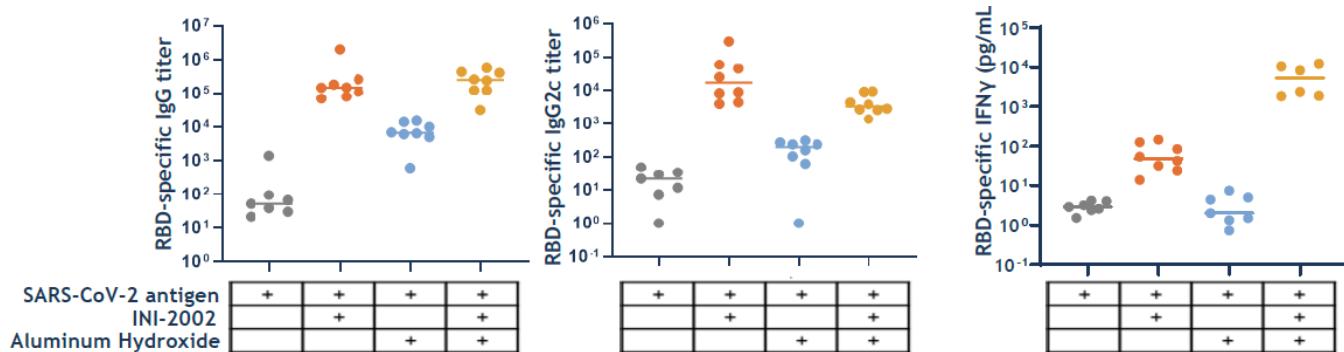


Valens™T4AH: similar system to MPLA + Alum

Valens T4AH is an adjuvant system combining **INI-2002**, a fully synthetic TLR4 agonist, adsorbed onto **aluminum hydroxide gel**. The composition is comparable to adjuvant systems already approved for human vaccines, including those for HPV and Hepatitis B.

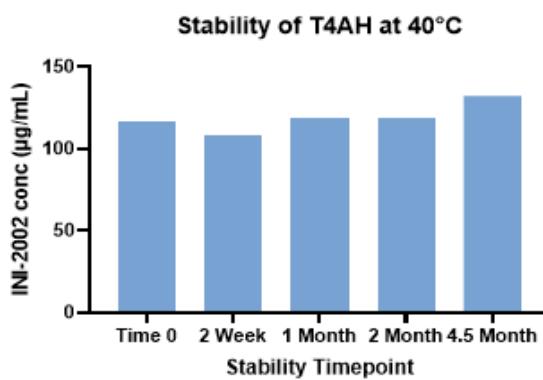
In vivo murine vaccination study:

When paired with a weakly immunogenic SARS-CoV-2 antigen, Valens T4AH elicited strong Th1 responses. While INI-2002 or alum alone were sufficient to generate antibody responses, only the combination triggered a robust cellular immune response.



Key Advantages:

- Adjuvant patent protection through 2039
- Scalable manufacturing process suitable for commercial production; engineering lot completed
- Excellent thermal stability



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