



Rabbit monoclonal antibody production services



We are pleased to offer our powerful RabMAB[®] technology for creation of sensitive, specific custom rabbit monoclonal antibodies.

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Our Custom Services team has record of successfully developing RabMAB primary antibodies against challenging targets such as splice variants, point mutations, species-specific orthologs, post-translational modifications, and small molecule compounds. More than 550 institutions and 150 pharma, diagnostics and biotech companies have benefited from our custom antibody development.

[View the RabMAB primary antibody generation process](#)

You can submit immunogens as recombinant proteins, synthetic peptides, small molecules, cDNA expression vectors, or over expressing cells. Alternatively, you can provide the spleen of an immunized rabbit to initiate the monoclonal phase of antibody development. Or better yet, you can simply provide the target information, and we will assist with antigen design and produce the immunogens.

[View the antibody generation timeline](#)

We also provide comprehensive services for antibody cloning, engineering, expression, and purification in addition to custom antibody development.

[View our Custom Service offerings](#)

RabMAB monoclonal antibodies are used in research, diagnostics, and therapeutics

Research >9,000 RabMAB antibodies
>200 RabMAB antibody pairs
>15,000 antigens in pipeline

Diagnostics >300 EP clones are IHC ASR
5 FDA-approved RabMAB primaries

Therapeutics 1 Phase I; 2 filing IND; 4 preclinical development

Custom antibodies >700 customers
>3,000 custom antibodies developed

RabMAB advantages

The rabbit immune system generates antibody diversity and optimizes affinity by mechanisms different from those of mice and other rodents. RabMAB technology produces reagents that combine the superior antigen recognition of a rabbit antibody with the specificity and consistency of a monoclonal. Two major advantages that set these apart from traditional mouse and rabbit antibodies are:

High affinity: On average, RabMAB primary antibodies have 10-100x higher affinity than mouse monoclonals, with K_D values often in the picomolar (10^{-12})

M) range and up to 10⁻¹⁴ M.

High specificity: Immunization of rabbits results in a highly diverse suite of B-lymphocytes and an abundance of splenocytes. The breadth of available cells means a greater chance of finding antibodies that distinguish between similar molecules and therefore improved specificity.

Harness the RabMAb advantages to develop antibodies that are

- Capable of diverse, novel epitope recognition
- Less likely to have high background signals
- Able to differentiate between subtle structural variations
- Ideal for post-translational modification detection
- Excellent for IHC usage
- Fit for small molecule and low-abundance biomarker quantification
- Convenient for use with mouse proteins and tissues

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Custom services offer you

- High-quality custom antibodies tailored to your needs
- Dedicated PhD-level project management throughout entire project scope
- Opportunities for you to perform sample testing at various stages
- Experience gained from working with 550+ institutions and 150+ pharma and biotech companies
- Products made in compliance with Abcam's global quality management system

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If you have any questions about our custom services, please contact us anytime.

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