

Discover Your Potential

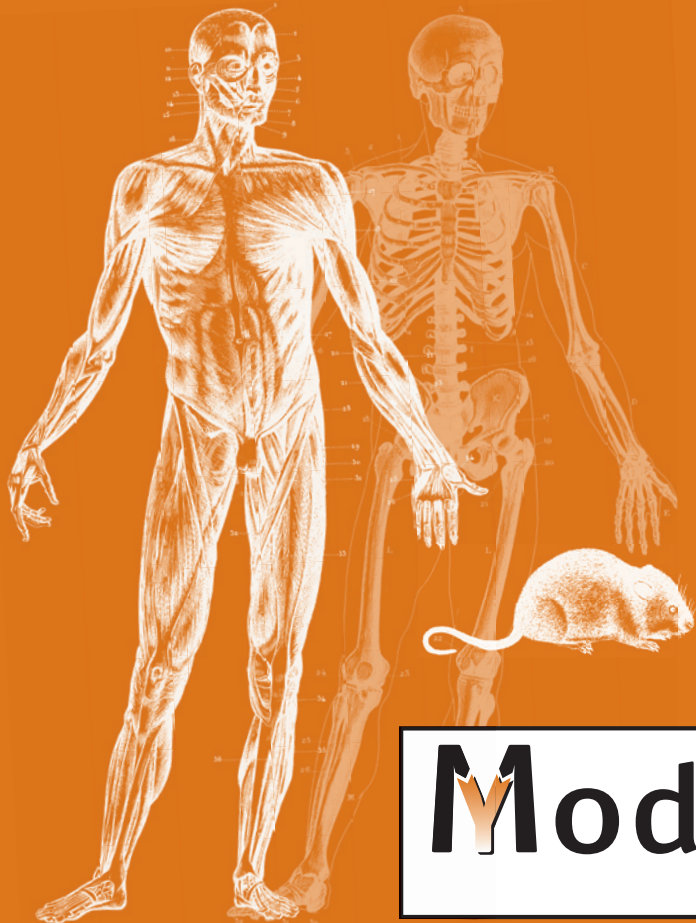
Introduction

ModiQuest Research is a contract research organisation focusing on the generation of (recombinant) monoclonal antibodies from various species (human, animal).

ModiQuest Research was established early 2005 as a private company.

ModiQuest Research focuses on feasibility, early development, and pilot scale research projects in the field of (recombinant) antibodies.

More in particular, through use of its proprietary technologies, ModiQuest Research is specialized in the generation of antibodies against difficult targets such as antibodies specific for post-translationally modified (neo)epitopes.



ModiQuest
RESEARCH

Monoclonal Antibody Technology

Antibody generation

Under licence of third parties, ModiQuest Research uses various state-of-the-art technologies like antigen specific B-cell selection and/or culture, combined with highly efficient electrofusion technology for hybridoma generation. Alternatively, ModiQuest Research performs direct antibody cDNA cloning from selected B-cells, for the generation of (recombinant) monoclonal antibodies from various origins. In-house experience is available with various species like human, mouse, rabbit and lama.

This proprietary technology is of particular interest for antibody generation for disease areas where a humoral immune response is observed, like infectious diseases, autoimmune diseases and certain cancer types such as melanoma.

In addition to using its own proprietary technologies, ModiQuest Research provides its services under intellectual property owned by clients. Specifically in this regard, ModiQuest Research's team has very broad phage display experience using various antibody formats, phage display library construction methods, phage display selection methods and recombinant antibody expression and cloning technology.

Antibody expressing cell lines

ModiQuest Research has a large set of antibody expression vectors available, allowing for the recombinant expression of most human and mouse antibody isotypes in various cell lines. In combination with efficient gene synthesis, and subsequent cloning procedures, stable antibody producing cell lines can be generated for in-house production runs or for transfer to the client.

Rheumatoid Arthritis animal model

ModiQuest Research has developed novel antibodies for the generation of animal models like Collagen Antibody Induced Arthritis (CAIA). The antibodies are available for clients for in-house generation of animal models. In collaboration with third parties also animal studies are offered by ModiQuest Research.

Antibodies for research/diagnostic applications

ModiQuest Research sells novel antibodies for research and diagnostic applications.

Peptidyl Arginine Deiminase (PAD) enzymes

ModiQuest Research offers recombinant human and mouse PAD enzymes, as well as an Antibody Based enzyme activity Assay for determining PAD activity (ABAP).

Last but not least

Apart from providing contract research, ModiQuest Research, in collaboration with its sister company ModiQuest B.V., is continuously working to develop novel antibodies and antibody based animal models, for research, diagnostic and therapeutic applications in the field of autoimmune disorders, oncology and infectious diseases.

ModiQuest Research B.V.

CONTACT

Jos Raats, Ph.D.

VISITING ADDRESS

Innovation lab
Heijendaalseweg 135
6525 AJ Nijmegen, The Netherlands

POSTAL ADDRESS

Schoutstraat 58
6525 xv Nijmegen, The Netherlands

TELEPHONE

+ 31 (0)24 361 42 53

FACSIMILE

+ 31 (0)24 350 21 54

E-MAIL

info@modiquestresearch.com

WEBSITE

www.modiquestresearch.com

