

COVALAB

EXPERT IN ANTIBODY ENGINEERING

SINCE 1995



covalab
R&D in Biotechnology

From Research to Discovery

ISO 9001 : 2015 certified



ABOUT US

FROM RESEARCH TO DISCOVERY

COVALAB

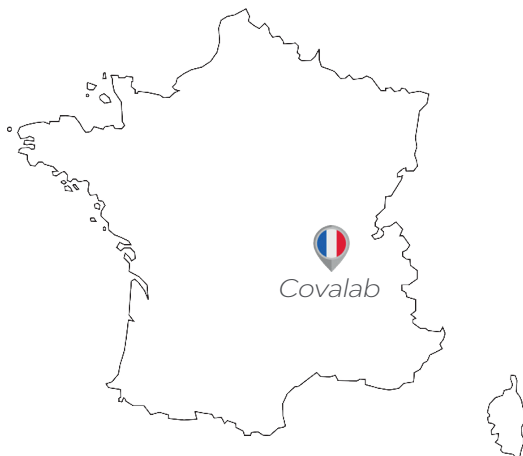
YOUR PARTNER IN

ANTIBODY ENGINEERING

SINCE 1995



ISO 9001 : 2015 certified



1B rue Jacques Monod
69500 Bron
FRANCE

Founded in 1995 by two immunologists, Covalab is a French biotechnology company specialized in antibody engineering.

With several decade of expertise in research and development, we are committed to science with our multidisciplinary expertise (immunology, biochemistry, chemistry), our highly trained scientific staff as well as our close collaboration with researchers

Our involvement in several national, European and international research programs is one of our greatest scientific achievements

EXPERTISE

Over 25 yeares of knowledge and experience in the filed of antibody engineering

QUALITY

In-house procedures to ensure quality and guarantee the traceability of all our production

REACTIVITY

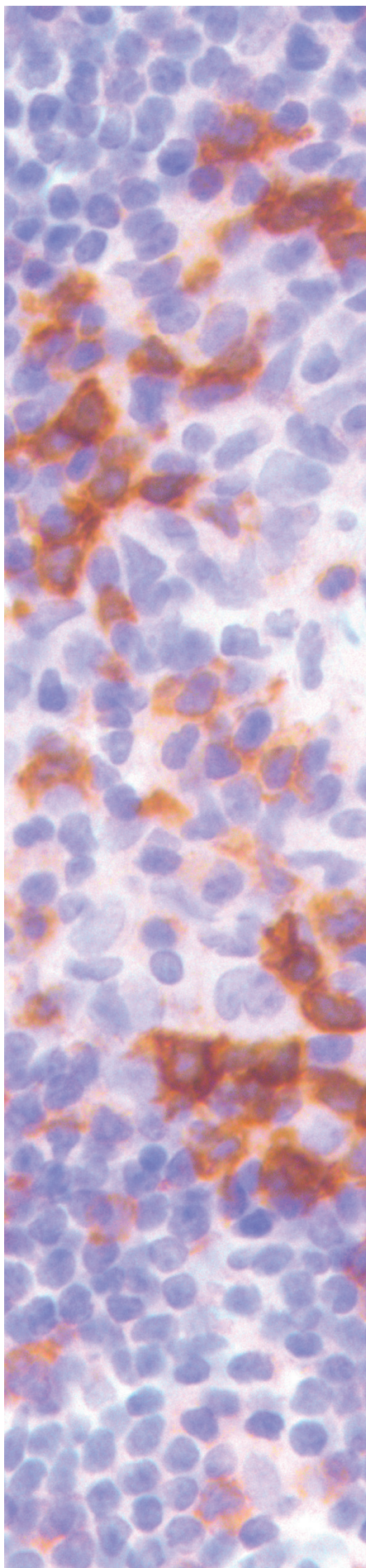
Our scientists are at your disposal at any time to help you make the right decision

SUPPORT

We offer relevant advice on your project planning and project management to give you flexibility and ensure your project success

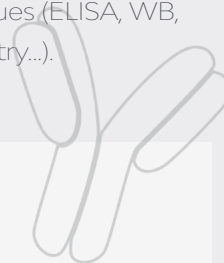


PRODUCTS – *More than 20 000 references*



Today we are able to provide more than 20,000 polyclonal, monoclonal or recombinant antibodies.

Directed against specific targets or dedicated to common use (such as detection and isotype or loading control), you can find the product you need for all laboratory techniques (ELISA, WB, immunohistochemistry, flow cytometry...).



ANTIBODIES

Primary antibodies

Secondary antibodies

Tags & Controls

In order to always be closer to you, we also keep developing a wide range of immunological products, such as ELISA, ELISpot and Fluorospot kits as well as associated reagents, proteins, peptides and biological or chemical compounds at very attractive prices.

RELATED PRODUCTS

Proteins

Peptides

KITS & REAGENTS



Covalight Family (ECL)

CovaDye (Fluorescent labelling kits)

ELISA / ELISpot Kits

Purification Kits

DNA/RNA Extraction Kits

As a producer, Covalab provides many distributors to sell its innovative and high quality antibodies, kits and reagents.

This wide range of products is available for e-commerce on :
www.covalab.com



ANTIBODY DEVELOPMENT

CUSTOM POLYCLONAL ANTIBODY

From a Standard immunization service to our Pack service, which includes **ELISA monitoring** and **antibody purification**, we offer **8 different species** for immunization and allow you to raise antibodies against protein, peptide, inactivated bacteria, etc...



CUSTOM MONOCLONAL ANTIBODY

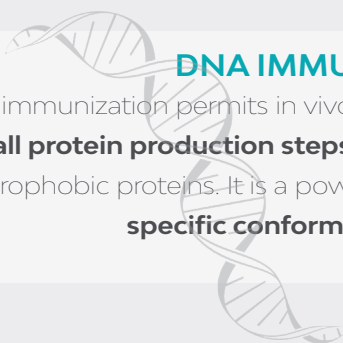
Specific to only **one epitope**, we can offer to develop monoclonal antibodies thanks to our exclusive **mouse or rat protocol** that includes animal housing and immunization, custom hybridoma development, screening, cloning and production.

RECOMBINANT VHH

Using molecular engineering, high affinity VHH fragments of **only 15 kDa**, which are **more stable and soluble** than conventional IgG, can be produced in high scale. We offer complete service with llama immunization, phage library construction, panning and production.

DNA IMMUNIZATION

DNA immunization permits in vivo antigen production by **avoiding all protein production steps** and offer better results with hydrophobic proteins. It is a powerful solution to obtain a **highly specific conformational antibody**.



CHIMERIZATION / HUMANIZATION

Because of their immunogenicity, mouse antibodies can't be used in **human therapy** but thanks to chimerization and humanization, we are able to merge **variable domains** from one species with **constant domain** from another species.





SYNTHESIS / BIOPRODUCTION

PEPTIDE SYNTHESIS

Length: from 3 to 90 residues

Purity levels: from crude solution to **more than 98% purity**

Quantities: from milligram to gram scale

Modifications: non-natural residues, chemical groups addition...

RECOMBINANT PROTEIN

Our team offer you a complete strategy to produce your protein in **eukaryote (HEK, CHO cells) or prokaryote system (E.Coli)**, with vector preparation including codon optimization and plasmid production, expression and purification.

ADDITIONAL SERVICES

PURIFICATION

From class-specific or antigen specific affinity purifications to labelling including SEC and spectrophotometric quantification, we assist you step by step and offer **complete or partial support** according to your needs.

LABELLING

A large number of applications require antibodies to be labelled for detection. Our expertise in coupling strategies allows us to provide a full range of services of antibody labelling with **various labels** according to well-established procedures.

FRAGMENTATION

Targeting the hinge region allows to generate two types of fragments of interest depending on the final application:

1. **Antigen-binding fragments** such as Fab and F(ab')₂
2. **Class-defining fragments** such as Fc which do not bind antigen



CONTACT US

Covalab S.A.S.

1B rue Jacques Monod
69500 Bron
France

☎ +33 (0)4 37 65 42 30

✉ enquiries@covalab.com

www.covalab.com

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BUREAU VERITAS
Certification

