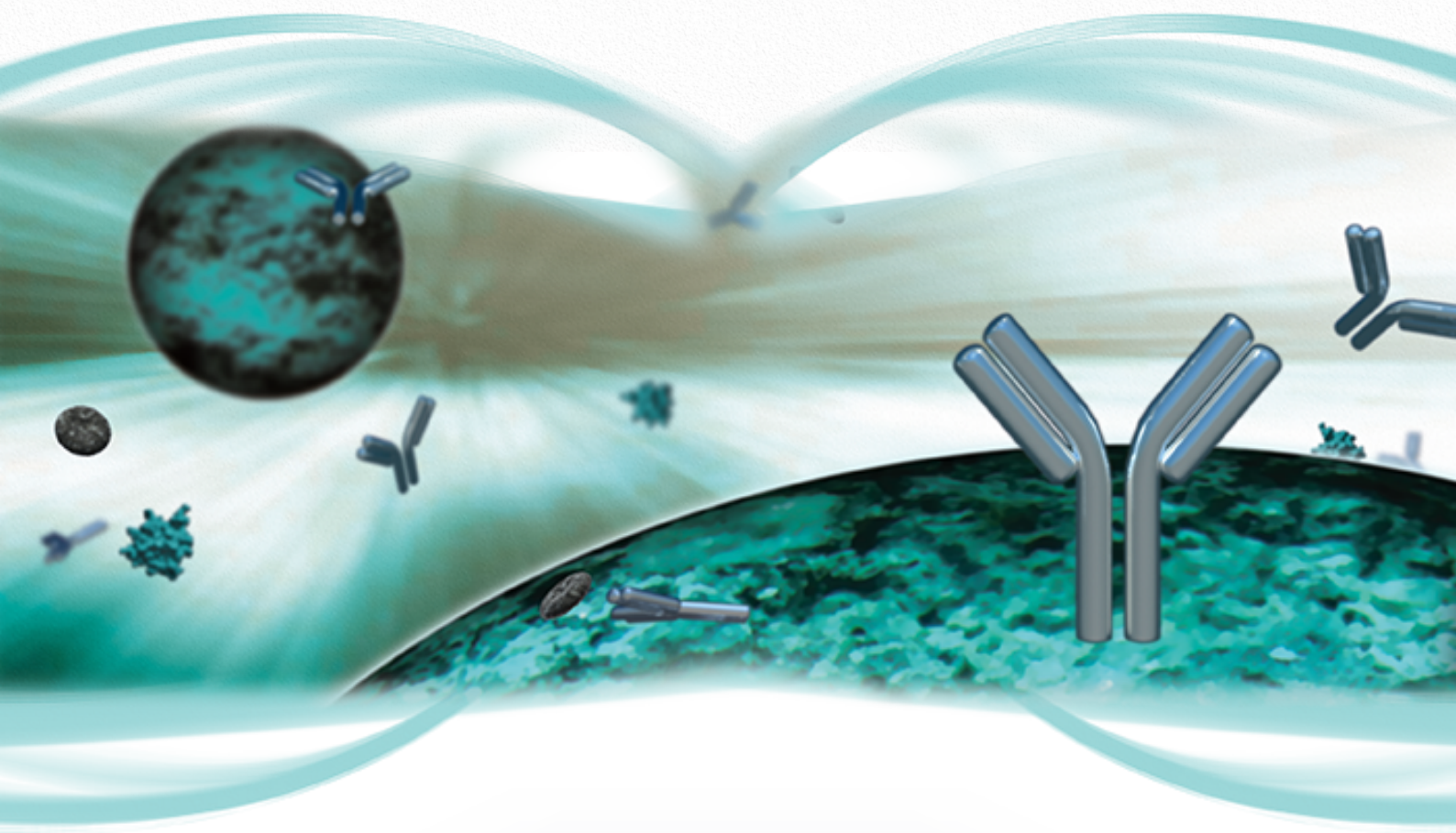




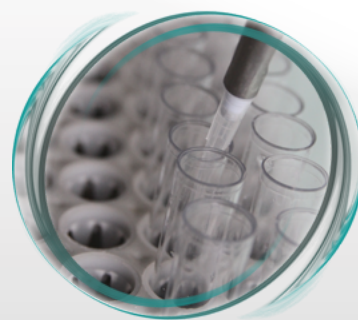
Your partner in immunology



Expertise
EXPERTISE



Reactivity
REACTIVITY



Quality
QUALITY

Advice
ADVICE

Specialist of antibody engineering



*Who are
we?*

Covalab is a French biotechnology company, specialised in the field of immunotechnology, founded in 1995 by two experts in immunology to support the scientific community.

Our activity is based primarily on the development of polyclonal and monoclonal antibodies, the synthesis of custom peptides as well as the sale of organic products (antibodies, kits, functionalised plates, immunoaffinity columns...).

We collaborate with research groups from academic institutions as well as private companies who are the major players in the field of life sciences.

We are committed to provide the highest quality of custom services and products within the shortest time. Our scientific & commercial staff is always available to guide you in project management and follow-up.



More than 20,000 products

Antibodies — Detection Kits — Proteins — Reagents

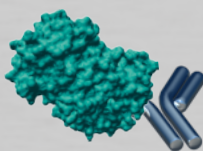


Our products are developed and produced according to strict in-house procedures in order to ensure their quality and to guarantee the traceability of all our productions.

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, immunochemistry, flow cytometry...).

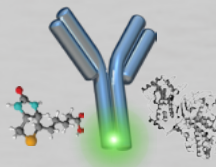
Primary Antibodies

Our range of primary antibodies includes more than **18,000 products** and is constantly growing.



Secondary Antibodies

Labelled with various probes, our secondary antibodies target primary antibodies from **all most used species**.



In order to always be closer to our customers, 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.

Kits



Enzymatic activity or cytokine secretion, our kits allow you to perform **very accurate measurements**.

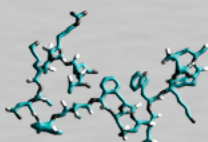
Reagents

Adapted enzyme substrates for the revelation step of most immunological applications.



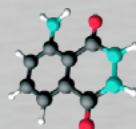
Proteins & Peptides

Highly pure **recombinant proteins and peptides** for various applications.



Chemical Compounds

Useful biological and chemical compounds such as **enzyme inhibitors and antibiotics** for your experiments.



30 years of knowledge capitalisation so far

Through our range of services, coupled with **over 30 years of knowledge and experience** in the field of immunology and antibody engineering, we are able to meet requirements of increasingly complex nature. From a single peptide sequence to the corresponding purified monoclonal antibody, we cover all the steps of an antibody development project.

Custom Polyclonal Antibody Development



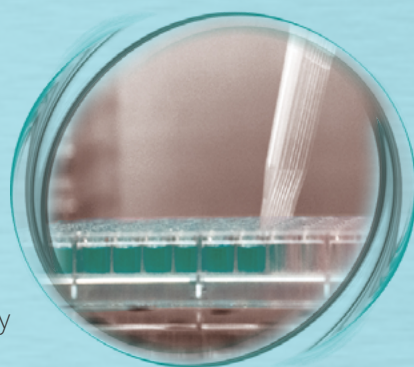
From a standard immunisation service to our "**All Inclusive**" service which includes ELISA monitoring and antibody purification, our well-proven antibody development service allows you to raise antibodies adapted to your most complex requirements.

As experts in peptide design, synthesis and modification, we are able to **use adapted synthetic peptides as immunogens** to raise polyclonal antibodies **against specific domains of the target protein**, or more interestingly **against post-translationally modified epitopes**.

Custom Monoclonal Antibody Development

Our activity includes complete services to develop your **custom mouse or rat monoclonal antibody**. Our exclusive 4-phase monoclonal antibody development protocol, which includes animal housing and immunisation, custom hybridoma development, screening and cloning as well as cell culture and storage, has been carried out for **more than 20 years**.

Each project is discussed thoroughly with our scientific staff and its feasibility is rigorously analysed to **ensure that your requirements and expectations are understood**.



Monoclonal Antibody Production



With 20 years of experience in antibody engineering, an adapted equipment and a facility dedicated to animal housing, we have developed a **strong expertise and know-how** in monoclonal antibodies production.

Antibody production can be carried out either **in vitro** (including cell expansion and culture with or without serum as well as supernatant harvesting) or **in vivo** (including animal housing, injection and sampling) according to your specific requirements.

Antibody Purification

Depending on various properties of the antibody, we perform the most adapted purification techniques:

- **physico-chemical fractionation**, such as size exclusion (SEC) or ion exchange chromatography (IEC) as well as ammonium sulfate precipitation to discard unwanted elements from biological fluids,
- **class-specific purification**, including protein A or G affinity purification (IgG) or a combination of ammonium sulfate precipitation and IEC (IgM and IgY),
- **antigen-specific affinity purification**, based on the immobilisation of the immunogen on sepharose columns.

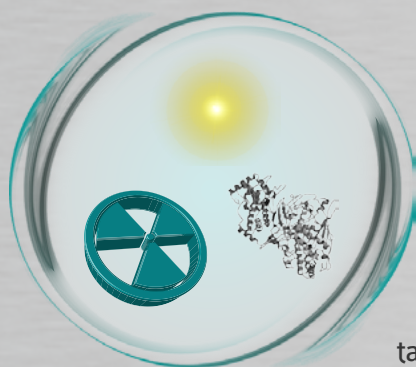


A tailor-made offer with a real technical expertise

Our qualified staff controls the development and production of monoclonal and polyclonal antibodies. Their expertise, new discoveries and new technologies allow us to develop innovative protocols and to improve our service continuously.



Antibody Labelling



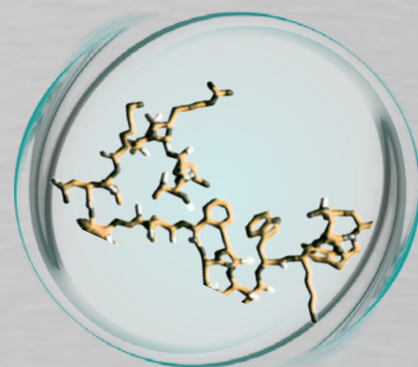
Enzymes, such as horseradish peroxidase and alkaline phosphatase, or **fluorescent labels**, such as FITC and rhodamine (*among others*) can be conjugated to antibodies and proteins to act as signal-generating molecules via specific reactions.

Labelling strategies include covalent linking of various molecules such as **biotin**, **reporter enzymes**, **fluorochromes** to the target antibody. Thanks to our expertise in coupling chemistries, we are able to **target the position of the label** in order to maintain both antibody immunoreactivity and label activity.

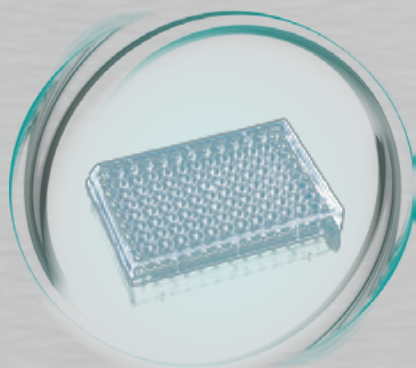
Peptide Synthesis

Our peptides are produced using Fmoc solid phase chemistry using automated peptide synthesisers. We offer a wide range of possibilities in terms of:

- **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, coupling ...



Additional Custom Services



In addition, we provide fully customisable services regarding:

- **immunoassay kit development**
- **plate functionalisation**: amine-, carboxyl- or NHS-activated microtitre plates for antibody or protein coating
- **antibody isotyping**
- **antibody fragmentation**.

A dedicated documentation

To learn more about the products and custom services we offer, you can request documentation related to your specific needs.

Products Range



Custom Services



Signalling Pathways



Research Areas



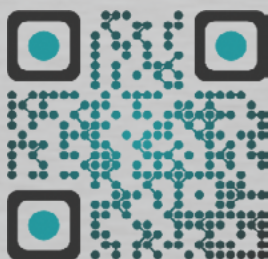
Covalab Online

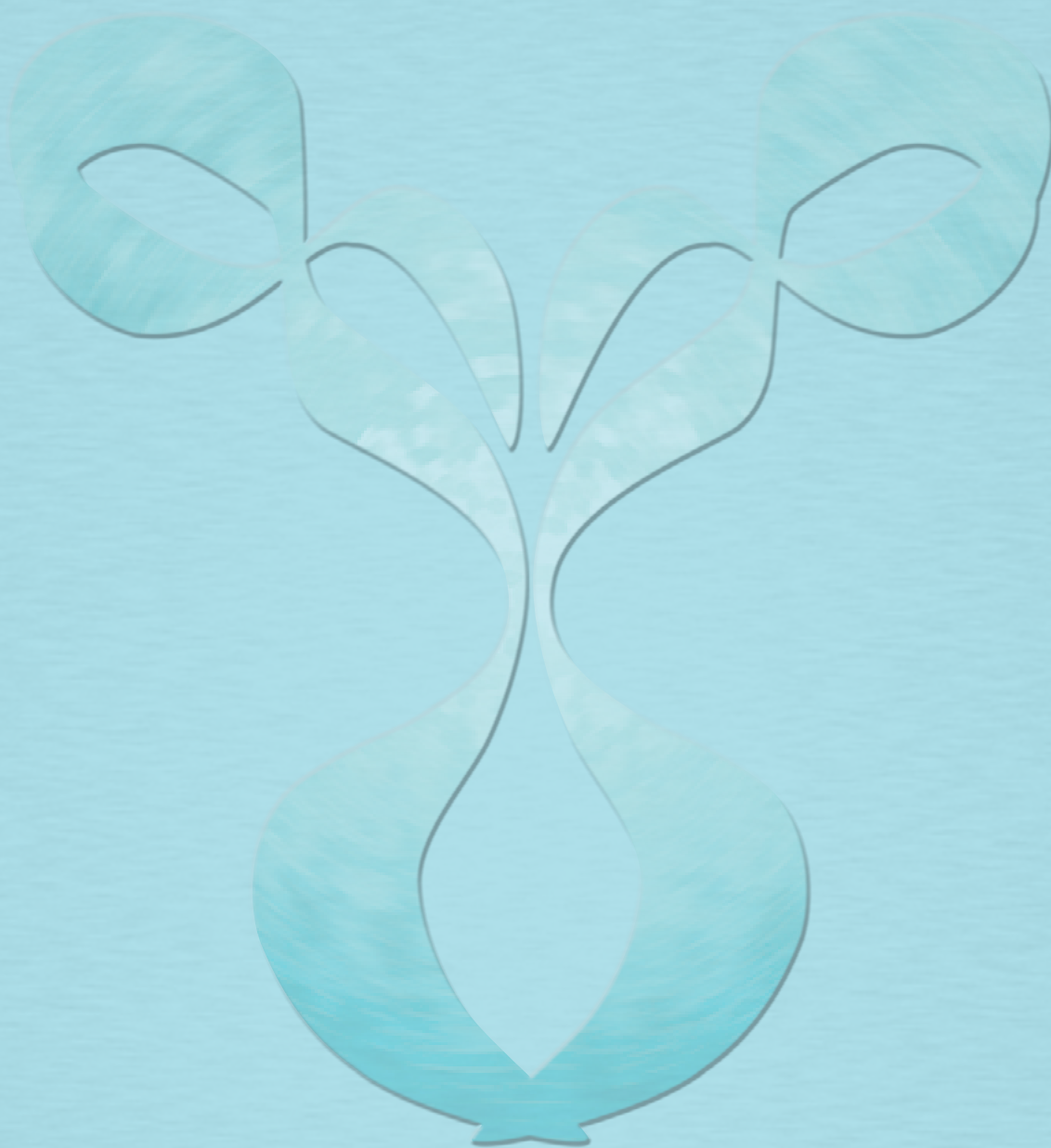


Browse our website easily to find the product you need, read its technical data sheet and safely purchase online.

Create your personal account on our website and benefit from many advantages.

www.covalab.com





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