



# Key Biologics Services Overview

Reagents for in vitro  
Diagnostics

Custom Enzymes

Custom Antibodies

Proteins and Antigens



# Biologics Services from Biosynth

We have an extensive range of biologics products and custom services to deliver the highest quality reagents to meet your needs, from antibodies and antigens for in vitro diagnostics, to enzymes and other biochemicals, and Epitope Mapping.

## Antibodies and Antigens for in-vitro Diagnostics



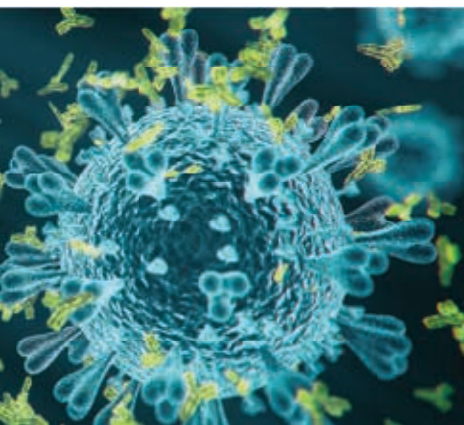
We offer a range of antibodies and antigens for diagnostics, with years of expertise in the development of proteins and antibodies for new and emerging diseases, providing high quality raw materials to the in vitro diagnostic industry and research laboratories.

The products and custom services include polyclonal and monoclonal antibodies, antisera, plasma and recombinant and native antigens.

- Custom manufacture of new recombinant antigens
- Routine manufacture of bulk antigens and antibodies
- Full raw material menu for chemiluminescence platforms
- Largest provider of bulk disease state plasma for controls in Europe

## Custom Antibodies

We offer complete polyclonal and monoclonal antibody packages with antigen design, custom peptide synthesis, conjugation, immunizations, affinity purification, and more.



We specialize in making highly specific antibodies to multiple types of post-translational modifications, including phosphorylation, methylation, acetylation, cleavage-site, and more.

An additional expertise of ours is using special protocols to make clean, specific antibodies to tryptic fragment peptides for use in iMRM.

## Product Area Highlights

- **Native Viral antigens**  
including Adenovirus, Hepatitis, Influenza, Measles, Mumps, RSV, Rotavirus, Rubella Encephalitis, Varicella, West Nile virus and Zika virus
- **Native Bacterial antigens**  
including Pertussis, Borrelia, Campylobacter, Chlamydia, Helicobacter pylori, Legionella, Mycoplasma, Shigella, Streptococcus, Tetanus and Yersinia.
- **Recombinant antigens**  
including Borrelia, Chikungunya, Coronavirus, Dengue, Ebola, Epstein Barr virus HIV, Norovirus, Papilloma virus, Parvovirus, Yellow Fever and Zika virus
- **Monoclonal antibodies**  
including Chikungunya, Dengue, Papilloma virus, Coronavirus, West Nile virus, Yellow Fever and Zika virus.

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## Epitope Mapping

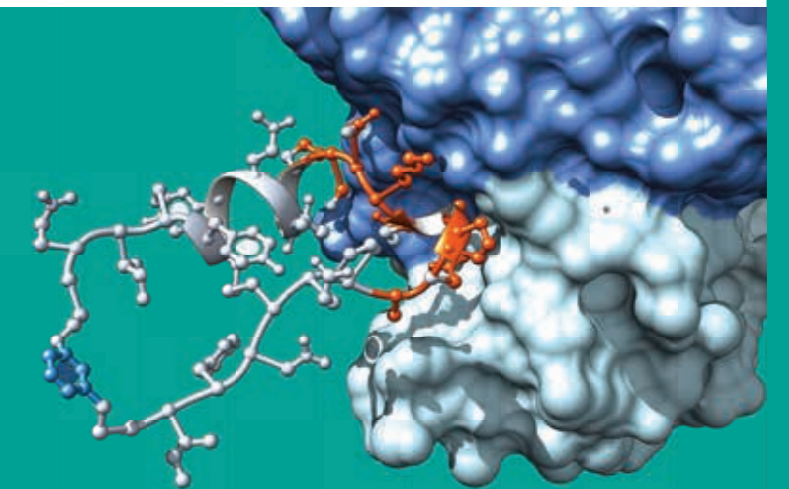
**Defining linear, conformational and discontinuous epitopes: accurate and cost-effective.**

Epitope mapping is instrumental in therapeutic antibody development. It plays a key role in functional understanding and selection of antibodies, IP protection and FDA/EMA approval, and therefore in protecting your company's interests.

Biosynth's peptide-based epitope mapping is a combination of scientists' experience and expertise with proprietary CLIPS™ technology to create a unique platform to define linear, conformational and discontinuous epitopes. The immobilized peptide arrays used are highly sensitive and enables reliable detection of even the weakest binding signals. Arrays are reusable and can be tested multiple times. This therefore permits screening of a series of antibodies or sera on a single array, making linear epitope mapping a fast and cost-effective option for best candidate selection, antibody characterization, antibody profiling and further development.

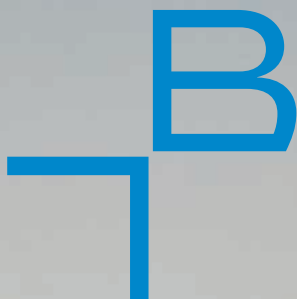
## Epitope Mapping Experts

- Inventor of peptide epitope mapping, extensive experience.
- No. 1 organization used in 2019 EU patents using epitope mapping.
- Broad applicability – linear epitopes, conformational epitopes, discontinuous epitopes, and multimeric protein complexes.
- Target and sample diversity – soluble, exodomains, viruses, and antisera, polyclonal Abs, purified mAbs, and proteins.
- High sensitivity, even the weakest interactions can be characterized.
- Reusable arrays and long shelf life, cost-effective, and direct comparison of Abs.



For more information on our antibody and other biologics services, including epitope mapping and antigen antibody development, visit [www.biosynth.com/biologics](http://www.biosynth.com/biologics)

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## Global Locations

Switzerland  
United Kingdom  
Slovakia  
India

United States  
China  
Ireland  
South Korea

The Netherlands  
Austria  
Japan

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## About Biosynth

Securing Life Sciences Supply Chains - where Chemistry meets Biology, Products meet Services and Innovation meets Quality, Biosynth is at the Edge of Innovation.

With an unrivaled research product portfolio of over half a million products and end to end manufacturing services, we are science led and customer focused to solve problems, taking pride in delivering products and projects that others cannot. Our expertise and capability runs across Complex Chemicals, Peptides and Key Biologics all from one trusted partner.

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