

THE EMERGING MATCHED ANTIBODY PAIRS MARKET

Monoclonal, polyclonal antibodies, and Matched Antibody Pairs are antigen-specific targeting proteins. Due to their high specificity and selectivity, antibodies have always been used as outstanding tools for biomedical research and essential components of many diagnostics and therapeutics.

Since the commercialization of the first therapeutic monoclonal antibody product in 1986, this class of biopharmaceutical products has grown significantly. More than 80 monoclonal antibody products have been approved in the US or other countries for the treatment of a variety of diseases. The combined worldwide sales have increased from \$50 billion to \$106 billion in 7 years since 2011.

ANOGEN HAS BEEN IN THE MATCHED ANTIBODY PAIRS INDUSTRY FOR 30 YEARS

Anogen Yes Biotech Laboratories Ltd., a Canadian biotech company located in Toronto, has been producing Matched Antibody Pairs products for research, diagnostic and therapeutic applications for thirty years.

Anogen is a recognized leader in the worldwide biotech industry in the research & development of antibody-based products. One-third of the top research antibody suppliers are our customers. In the therapeutic antibodies research field, Anogen has also been a reliable provider for many pharmaceutical companies and diagnostics.

To ensure that our customers are provided with the highest level of quality products and services, Anogen has been ISO-certified for 19 years.

Anogen has expanded the business to China market since 2006 and has invested in a lot of promising antibody research projects by establishing new branches.

Anogen has a professional team and well-developed antibody research and manufacturing technology platform. All the key members hold a Master's degree and one-third of them have a Doctor degree. The funder of Anogen, Dr. Ye is one of the leaders in tumor immunotherapy. our CSO Dr. Wang and Dr. Xu had been working as senior scientists in NIH for more than decades, and have published hundreds of papers in the Immunology research field.

ANOGEN HAS DEVELOPED PRODUCTS IN VARIOUS APPLICATIONS OF ANTIBODIES

Anogen has developed a cell bank of more than 1000 hybridomas, which can be cultured in vitro indefinitely allowing the relatively easy purification of large quantities of monoclonal antibody. Based

on this cell bank, Anogen has developed and marketed more than 300 research antibodies and Elisa kits. More than ten new products are launched every year.

As a research-focus company, Anogen also developed antibody-based for diagnostics and therapeutics. We have developed Abcream - an effective topical formulation of an anti-IL-8 monoclonal antibody for psoriatic skin, and neonatal TSH ELISA Kits, a diagnostic product used for the quantitative measurement of TSH, licensed by Health Canada.

Anogen has a long-term collaborative history with major clinical research institutions and universities across North America as well as Europe. We started a new project development LDT, which we believe is another important pathway for antibodies used in diagnostics.

Anogen is a leading manufacturer of antibodies, producing ELISA Kits and matched antibody pairs for over 30 years.

Matched Antibody Pair is a set of two antibodies used to detect and capture antibodies of a single protein antigen in immunoassay or the sandwich ELISA (Enzyme-Linked Immunosorbent Assays).

Anogen offers a wide selection of antibodies.

Primary and secondary antibodies are two groups of antibodies that are classified based on whether they bind to antigens or proteins directly or target another (primary) antibody that, in turn, is bound to an antigen or protein.

Primary Antibodies will be useful for the detection of biomarkers for diseases such as Alzheimer's disease, cancer, and diabetes. Primary antibodies can be either monoclonal or polyclonal antibodies. A monoclonal antibody is produced from a single cell and is only able to recognize one epitope. In contrast, a polyclonal antibody is from a collection of cells that will recognize various epitopes on the same antigen.

Secondary Antibodies are used for detection when the primary antibody is unlabeled (immunolabeling). Secondary antibodies can be conjugated to enzymes, and offer increased sensitivity due to multiple binding to a single primary antibody.

Anogen has advanced cytokine research since the 1990s and developed more than 70 monoclonal antibodies directed against many important cytokines. Anogen has designed [multiplex human cytokine ELISA kits](#) for semi-quantitative and simultaneous determination of multiple cytokines and chemokines in physiological and pathological conditions

Anogen's Matched Antibody Pairs

- [Matched Antibody Pairs to Human Cytokines & Growth Factors](#)
- Matched Antibody Pairs to Human Hormones
- Matched Antibody Pairs to Human Acute Phase Proteins
- [Matched Antibody Pairs to Neurological Disorders](#)
- [Matched Antibody Pairs to Human Tumor Markers](#)
- Matched Antibody Pairs to Human Infectious Agents

Anogen has been producing a wide range of Enzyme-Linked Immunosorbent Assays (ELISA) kits for the detection of proteins, antibodies, and molecules or performing ligand-binding assays successfully. ELISA Kits are an accurate and convenient research tool, useful for detecting markers for infectious diseases, cytokines, diabetes and tumor, growth factors, drugs, and molecules, etc.

Anogen's ELISA Kits

- Multiplex Human Cytokine ELISA Kits
- ELISA Kits for Human Cytokines & Growth Factors
- ELISA Kits for Hormone Research
- ELISA Kits for Tumor Research
- Diagnostic ELISA - Neonatal TSH ELISA Kits
- ELISA Kits for Acute Phase Proteins
- ELISA Kits for Mouse Cytokines & Growth Factors
- ELISA Kits for Neurological Disorder Research