



RANDOX
BIOSCIENCES

BIOREAGENTS

Randox Biosciences is a world-leading primary manufacturer of high quality monoclonal and polyclonal antibodies, antibody fragments, antibody conjugates and human recombinant proteins. Randox have been developing our own assays and manufacturing BioReagent products for over 40 years for use in Randox Laboratories diagnostic kits. Our team of scientists possess unrivalled expertise which enables us to provide you with a comprehensive suite of products and services dedicated to advancing research and testing in food, drugs of abuse, and clinical settings.

PRODUCT PORTFOLIO

Randox Biosciences offers an extensive portfolio of 900 products for a multitude of applications

MONOCLONAL ANTIBODIES

- **Biochemical markers:** Biochemical messengers fatty acid binding proteins and products with applications in the following areas; Immunology, Oncology, Cardiovascular/Cerebrovascular and Metabolic/Nutrition
- **Drugs of abuse:** Alcohol, Anti-depressants, Barbiturates, Hallucinogens, Opiates, Stimulants
- **Drug Residues:** Antimicrobial Drugs, Growth Promoters, Mycotoxins

RECOMBINANT ANTIBODY FRAGMENTS

- Single chain variable fragment (scFvs)
- Single domain antibodies (sdAbs)

HUMAN RECOMBINANT PROTEINS (E.COLI & MAMMALIAN)

- Adhesion Molecules
- Chemokines
- Cytokines
- Proteases
- Tumour Markers

POLYCLONAL ANTIBODIES

- **Biochemical markers:** Biochemical Messengers, Fatty Acid binding proteins and products with applications in the following areas; Immunology, Oncology, Cardiovascular/Cerebrovascular and Metabolic/Nutrition
- **Drugs of Abuse:** Alcohol, Analgesics, Antidepressants, Barbiturates, Benzodiazepines, Hallucinogens, Opiates, Sedatives, Stimulants, Synthetic Drugs, Therapeutic Drugs
- **Drug Residues:** Anti-inflammatory Drugs, Antimicrobial Drugs, Growth Promoters, Mycotoxins

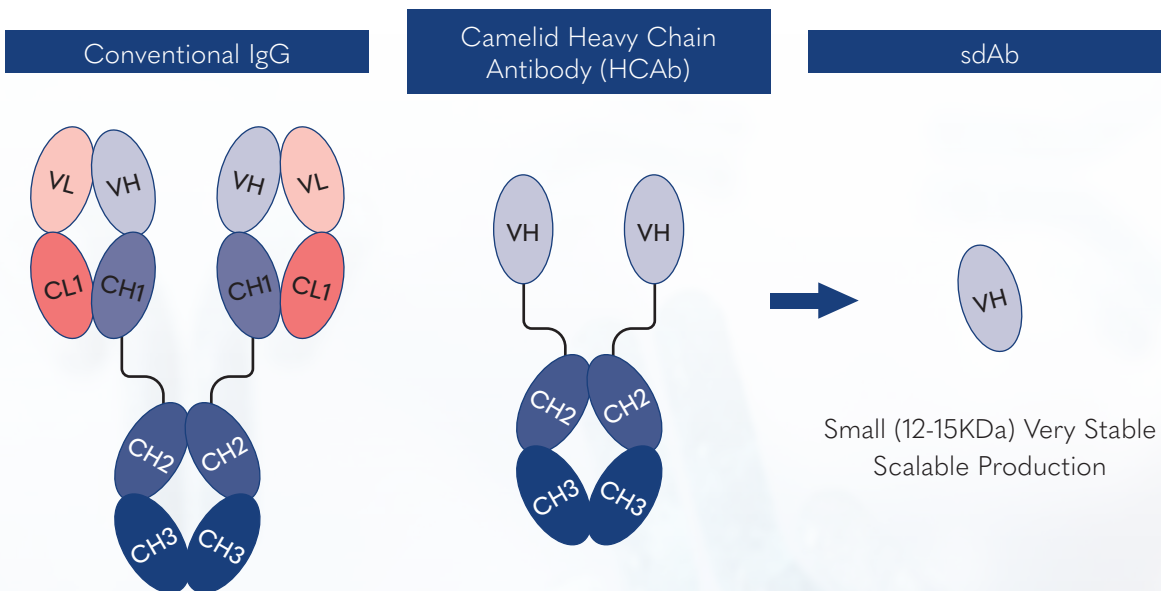
- All products manufactured at our ISO 13485 accredited UK site
- Extensive product range of 900 products
- Over 40 years experience in raw material manufacture and assay development
- Many unique and novel products including designer drugs, mycotoxins and oncology markers
- As our host animals are sheep, our antibodies have higher sensitivity and specificity
- Excellent reproducibility between lot numbers
- Products reflect the components used in-house in the production of Randox diagnostic products and research programs
- Highly experienced in developing difficult targets (i.e. small molecules and novel biomarkers)
- Full customisation service available
- A range of pack sizes available including bulk quantities for commercial development
- Products can be used in a multitude of diagnostic and research applications

CUSTOM DEVELOPMENT SERVICES

To meet your precise requirements, Radox Biosciences offer customised BioReagent generation services. Our scientists have the ability to develop and manufacture novel monoclonal, polyclonal and recombinant antibodies and proteins. Upon request, business and scientists will work with you to find the right solution for your needs and will provide in depth guidance on feasibility and timeline requirements. By utilising our custom services, raw material supply and quality can be controlled to ensure optimum product results. Radox Biosciences can also provide a tailor made assay development service to meet your specifications in both a timely and cost-effective manner.

SINGLE DOMAIN ANTIBODY FRAGMENTS (sdAB)

Our scientists highly recommend the use of Single Domain Antibody Fragments (sdAb) as they are more stable, adaptable and easily humanised, making them ideal for therapeutic products. We have a specialised offering of sdAbs for research and therapeutic applications. SdAbs provide a new mechanism for the generation of antibody therapeutics and offer numerous advantages such as better tissue penetration, ease of expression, stability and uniformity of product. SdAbs also have benefits in traditional diagnostic settings, due to their small size, a much higher coating concentration can be achieved for assay development. Although we have been using our single domain antibodies in the diagnostics industry, they have been used increasingly as immunotherapies and Antibody Drug Conjugates. They have certain attributes that make them ideal for targeted therapies, for example, their small size allows better tissue penetration and their extended CDR3 loops mean they are particularly adept at accessing concave epitopes.





Advancing scientific discovery,
drug development and diagnostics globally

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For further information or to place an order please contact:
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