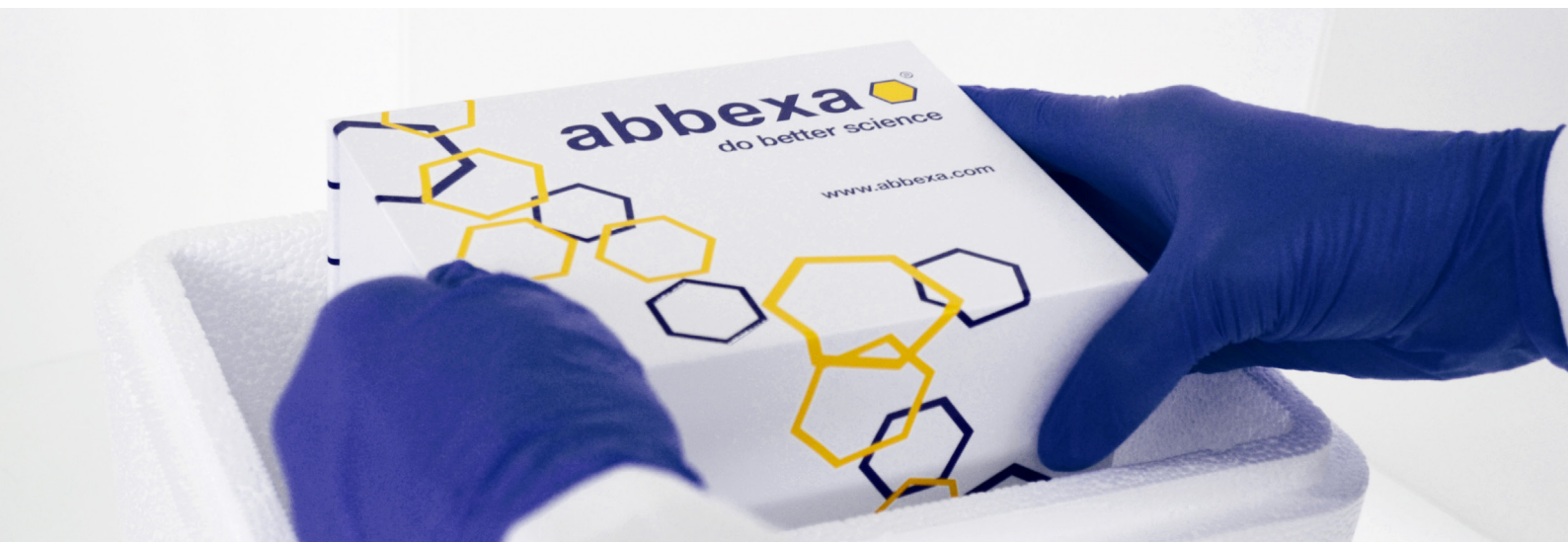




Products for Cancer Research

www.abbexa.com | info@abbexa.com



Built Around Real Cancer Biology

This selection represents the top Abbexa products most consistently used in oncology research. These reagents support research fields such as:

- Dysregulated signaling pathways.
- Checkpoint expression and immune evasion.
- Tumor microenvironment dynamics.
- Cell death and stress responses.
- Novel identification and validation.

Abbexa's products are trusted by researchers worldwide. With numerous citations and thorough validation, you can rely on our products for reproducible results.



At Abbexa, cancer research is personal. Alongside supplying researchers with high quality reagents, our team actively supports cancer charities. We have raised funds for Macmillan through a company-wide Coffee Morning and completed over 3.6 million steps to support Bowel Cancer UK.

Our commitment goes beyond supplying reagents and biological tools. It's about contributing to the fight against cancer.

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abx100179

Melatonin (MT) Antibody

Research Area:
Metabolic Pathways, Tumor Immunity, Neuroscience, Hormone Metabolism

abx100186

Mucin-1 (MUC1) Antibody

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology

abx100197

Nephrin (NPHS1) Antibody

Research Area:
Tumor Immunity, Kidney Biomarker

abx173626

Mucin-21 (MUC21) Antibody

Research Area:
Tumor Immunity

abx100438

Cadherin 5 (CDH5) Antibody

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity

abx324911

Cadherin-17 (CDH17) Antibody

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity, Hepatology, Gastroenterology

abx131988

Interleukin-6 (IL6) Antibody

Research Area:
Cytokines, Tumor Immunity, Infection Immunity, Cardiovascular Biology

abx025270

CD44 Antigen (CD44) Antibody

Research Area:
Signal Transduction, Cellular Differentiation and Adhesion, Tumor

abx100952

Interleukin-6 (IL6) Antibody

Research Area:
Cytokines, Tumor Immunity, Infection Immunity, Cardiovascular Biology Tumor Immunity, Hepatology

abx274227

Hyaluronic Acid (HA) Antibody (FITC)

Research Area:
Tumor Immunity, Hepatology

abx101341

Lymphotoxin Beta (LTb) Antibody

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

abx101546

Metallothionein 3 (MT3) Antibody

Research Area:
Tumor Immunity, Developmental Science

abx101779

Metallothionein 1E (MT1E) Antibody

Research Area:
Tumor Immunity, Infection Immunity, Immunology, Hematology

abx101616

Collagen Type XV Alpha 1 (COL15A1) Antibody

Research Area:
Metabolic Pathways, Tumor Immunity, Developmental Science, Nutrition Metabolism, Bone Metabolism

abx176959

Insulin-Like Growth Factor 1 (IGF1) Antibody

Research Area:
Tumor Immunity, Endocrinology

abx116106

Metalloproteinase Inhibitor 1 (TIMP1) Antibody

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Hepatology, Hormone Metabolism

abx100828

Keratin, Type II Cytoskeletal 71 (KRT71) Antibody

Research Area:
Tumor Immunity

abx012461

Nucleophosmin Phospho-Thr199 (NPM1 pT199) Antibody

Research Area:
Tumor Immunity

abx129720

Nucleophosmin Phospho-Thr199 (NPM1 pT199) Antibody

Research Area:
Tumor Immunity

abx129720

Proliferation Marker Protein Ki-67 (MKI67) Antibody

Research Area:
Tumor Immunity, Reproductive Science

abx025146

Hepatocyte Growth Factor Receptor / HGFR (MET) Antibody

Research Area:
Tumor Immunity

abx140077

Receptor-Type Tyrosine-Protein Phosphatase C / CD45 (PTPRC) Antibody (APC)

Research Area:
Signal Transduction, Tumor Immunity, Infection Immunity



abx069539

Mouse Lymphotoxin Alpha (LTA) Protein

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

abx670011

Human C-Reactive Protein (CRP) Protein

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Rheumatology

abx694093

Monkey Transthyretin (TTR) Protein

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity, Hormone Metabolism

abx067975

Mouse Matrix Metalloproteinase-9 (MMP9) Protein

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity, Cardiovascular Biology, Hepatology

abx060960

Human Mucin-16 (MUC16) Protein

Research Area:
Tumour Immunity, Reproductive Science

abx067611

Human Keratin 17 (KRT17) Protein

Research Area:
Tumor Immunity, Dermatology

abx065265

Mouse Alpha-Fetoprotein (AFP) Protein

Research Area:
Tumor Immunity, Hepatology

abx652846

Human Protein Cereblon (CRBN) Protein

Research Area:
Tumor Immunity

abx060128

Human Free Prostate-Specific Antigen / f-PSA (Free-KLK3) Protein

Research Area:
Tumour Immunity, Reproductive Science

abx166404

Human Gremlin 1 (GREM1) Protein

Research Area:
Signal Transduction, Tumor Immunity, Developmental Science, Bone Metabolism

abx065615

Pig C-Reactive (CRP) Protein

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Rheumatology

abx168837

Human Amphiphysin (AMPH) Protein

Research Area:
Tumor Immunity

abx066201

Mouse Cyclin Dependent Kinase 1 (CDK1) Protein

Research Area:
Signal Transduction, Enzymes and Kinases, Tumor Immunity, Neuroscience

abx066923

Mouse Gremlin 1 (GREM1) Protein

Research Area:
Signal Transduction, Tumor Immunity, Developmental Science, Bone Metabolism

abx067969

Mouse Matrilysin (MMP7) Protein

Research Area:
Enzymes and Kinases, Tumor Immunity

abx655282

Dog Serotransferrin (TF) Protein

Research Area:
Tumor Immunity, Infection Immunity, Immunology

abx068440

Human Pentraxin 3 (PTX3) Protein

Research Area:
Tumor Immunity

abx694333

Human B-Cell Receptor Cd22 (CD22) Protein

Research Area:
Cancer, Immunology, Stem Cells

abx650984

Mouse Interstitial Collagenase (MMP1) Protein

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Rheumatology

abx067604

Human Keratin 10 (KRT10) Protein

Research Area:
Tumor Immunity, Infection Immunity, Dermatology





ELISA Kits

[abx392586](#)

Human Anti-Nephrin Antibody (Anti-NPHS1) ELISA Kit

Research Area:
Tumor Immunity, Kidney Biomarker

[abx585480](#)

Human Anti-Interferon Beta Antibody (Anti-IFNB1) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx251537](#)

Human Semaphorin 4D (SEMA4D) ELISA Kit

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity, Immunology

[abx254262](#)

Mouse Major Histocompatibility Complex Class I (MHC class I) ELISA Kit

Research Area:
Signal Transduction, Tumor Immunity, Infection Immunity, Immunology, Developmental Science

[abx050214](#)

Human Metalloproteinase Inhibitor 1 (TIMP1) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Hepatology, Hormone Metabolism

[abx257487](#)

Human Lipoteichoic Acid (LTA) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx575393](#)

Human Interleukin-6 (IL6) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity, Cardiovascular Biology

[abx392163](#)

Human Protein Unc-13 Homolog A (UNC13A) ELISA Kit

Research Area:
Tumor Immunity

[abx555943](#)

Lipoteichoic Acid (LTA) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx574194](#)

Human Cholecystokinin (CCK) ELISA Kit

Research Area:
Tumor Immunity, Endocrinology, Neuroscience, Hepatology, Hormone Metabolism

[abx155669](#)

Rat Insulin-Like Growth Factor-Binding Protein 1 (IGFBP1) ELISA Kit

Research Area:
Tumor Immunity, Endocrinology, Cardiovascular Biology

[abx254146](#)

Mouse Gelsolin (GSN) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity

[abx153133](#)

Human Superoxide Dismutase 2, Mitochondrial (SOD2) ELISA Kit

Research Area:
Enzymes and Kinases, Metabolic Pathways, Tumor Immunity, Cardiovascular Biology, Neuroscience

[abx154743](#)

Mouse Transforming Growth Factor Beta 1 (TGFB1) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx252692](#)

Human Vascular endothelial growth factor receptor 2 / FLK1 (KDR) ELISA Kit

Research Area:
Signal Transduction, Cellular Differentiation and Adhesion, Tumor Immunity

[abx150005](#)

Chicken C-Reactive Protein (CRP) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Cardiovascular Biology, Rheumatology

[abx253476](#)

Human Leukemia Inhibitory Factor (LIF) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity, Neuroscience, Bone Metabolism

[abx250418](#)

Human Vimentin (VIM) ELISA Kit

Research Area:
Tumor Immunity, Developmental Science

[abx518206](#)

Human T-Cell Leukemia/Lymphoma Protein 1A (TCL1A) ELISA Kit

Research Area:
Tumor Immunity, Hematology

[abx152853](#)

Human CD59 Glycoprotein (CD59) ELISA Kit

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Hematology

[abx152977](#)

Human Rho-Associated Protein Kinase 2 (ROCK2) ELISA Kit

Research Area:
Signal Transduction, Enzymes and Kinases, Tumor Immunity, Infection Immunity

[abx351070](#)

Human Transferrin Receptor Protein 1 / CD71 (TFRC) ELISA Kit

Research Area:
Signal Transduction, Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity

[abx054228](#)

Human Oncoprotein Induced Transcript 3 (OIT3) ELISA Kit

Research Area:
Signal Transduction, Tumor Immunity

[abx153320](#)

Human Tumor Necrosis Factor (TNF) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx251167](#)

Human Pulmonary Surfactant-Associated Protein B (SFTPB) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology





ELISA Kits (Continued)

[abx153384](#)

Human Trefoil Factor 1 (TFF1) ELISA Kit

Research Area:
Tumor Immunity

[abx258492](#)

Mouse ADAM Metallopeptidase Domain 17 (ADAM17) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity

[abx153998](#)

Mouse Fibroblast Growth Factor 10 (FGF10) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity, Dermatology

[abx353489](#)

Mouse Major Pig Chromogranin A (CHGA) ELISA Kit

Research Area:
Tumor Immunity, Neuroscience

[abx155016](#)

Pig Serotransferrin (TF) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Immunology

[abx570562](#)

Human C-C Chemokine Receptor Type 2 (CCR2) ELISA Kit

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity

[abx575758](#)

Pig Ferritin (FE) ELISA Kit

Research Area:
Metabolic Pathways, Tumor Immunity, Hematology

[abx156663](#)

Hyaluronic Acid (HA) ELISA Kit

Research Area:
Tumor Immunity, Hepatology

[abx150890](#)

Human Cadherin 17 (CDH17) ELISA Kit

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity, Hepatology, Gastroenterology

[abx050160](#)

Mouse Matrix Metalloproteinase 2 (MMP2) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity

[abx254270](#)

Mouse Matrix Metalloproteinase 17 (MMP17) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity, Reproductive Science, Developmental Science, Rheumatology

[abx257906](#)

Pig Syndecan 1 (SDC1) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Immunodeficiency

[abx259467](#)

Human Integrin Alpha X / CD11C (ITGAX) ELISA Kit

Research Area:
Cellular Differentiation and Adhesion, Tumor Immunity, Infection Immunity, Hematology

[abx353367](#)

Monkey Transthyretin (TTR) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity, Hormone Metabolism

[abx250243](#)

Human Mucin-5B (MUC5B) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology, Dermatology

[abx250279](#)

Human Forkhead Box Protein O1 (FOXO1) ELISA Kit

Research Area:
Signal Transduction, Tumor Immunity, Immunology, Developmental Science, Autoimmunity

[abx572024](#)

Human Lactoferrin (LTF) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity

[abx050237](#)

Human Vascular Endothelial Growth Factor Receptor 1 / VEGFR1 (FLT1) ELISA Kit

Research Area:
Signal Transduction, Tumor Immunity

[abx150271](#)

Dog C-X-C Motif Chemokine 10 (CXCL10) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx253091](#)

Human Gamma-Enolase (ENO2) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity, Neuroscience

[abx050218](#)

Human Tumor Necrosis Factor (TNF) ELISA Kit

Research Area:
Cytokines, Tumor Immunity, Infection Immunity

[abx156723](#)

Heat Shock Protein 70 (HSP70) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Developmental Science

[abx050165](#)

Human Matrix Metalloproteinase 9 (MMP9) ELISA Kit

Research Area:
Enzymes and Kinases, Tumor Immunity, Infection Immunity, Cardiovascular Biology, Hepatology

[abx252011](#)

Human Angiopoietin-Related Protein 1 (ANGPTL1) ELISA Kit

Research Area:
Tumor Immunity, Developmental Science

[abx529191](#)

Rat Keratin 14 (KRT14) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity





ELISA and Assay Kits

[abx250274](#)

Human Toll Like Receptor 4 (TLR4) ELISA Kit

Research Area:
Signal Transduction, Enzymes and Kinases, Tumor Immunity, Infection Immunity, Pulmonology

[abx574100](#)

Human Mucin-1 (MUC1) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology

[abx096002](#)

Alkaline Phosphatase (ALP) Assay Kit

Research Area:
Enzymes and Kinases, Metabolic Pathways, Tumor Immunity, Infection Immunity, Hepatology, Bone Metabolism



Additional Research Tools

[abx250274](#)

Human Toll Like Receptor 4 (TLR4) ELISA Kit

Research Area:
Signal Transduction, Enzymes and Kinases, Tumor Immunity, Infection Immunity, Pulmonology

[abx574100](#)

Human Mucin-1 (MUC1) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology

[abx251167](#)

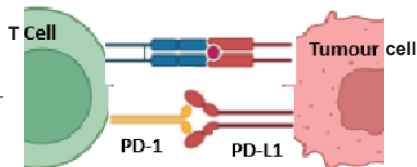
Human Pulmonary Surfactant-Associated Protein B (SFTPB) ELISA Kit

Research Area:
Tumor Immunity, Infection Immunity, Pulmonology

Cancer Immunotherapy: Targeting PDL1 / PD1 Mediated Immune Evasion

Tumor Induced T Cell Inhibition via PD-1/PD-L1

1. Antigen Recognition
T Cell receptor recognises tumour associated antigen.



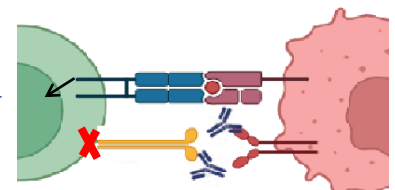
3. Inhibitory Signaling
PD-1 signalling suppresses T cell activation and effector function:

- ↓ Cytotoxic activity
- ↓ Cytokine production
- ↓ Tumour cell killing

2. Immune Checkpoint Engagement
PD-1 (T cell) binds PD-L1 (tumour cell).

Therapeutic Blockade Restores Anti-Tumour Immunity

1. Therapeutic Antibody Binding
Monoclonal antibodies bind to either PD-1 or PD-L1.



3. Restoration of TCR signaling
T cell activation and effector function is re-established.

- ↑ Cytotoxic activity
- ↑ Cytokine production
- ↑ Tumour cell killing

2. Checkpoint Blockade
PD-1/PD-L1 interaction is prevented, blocking inhibitory signaling



About Abbexa

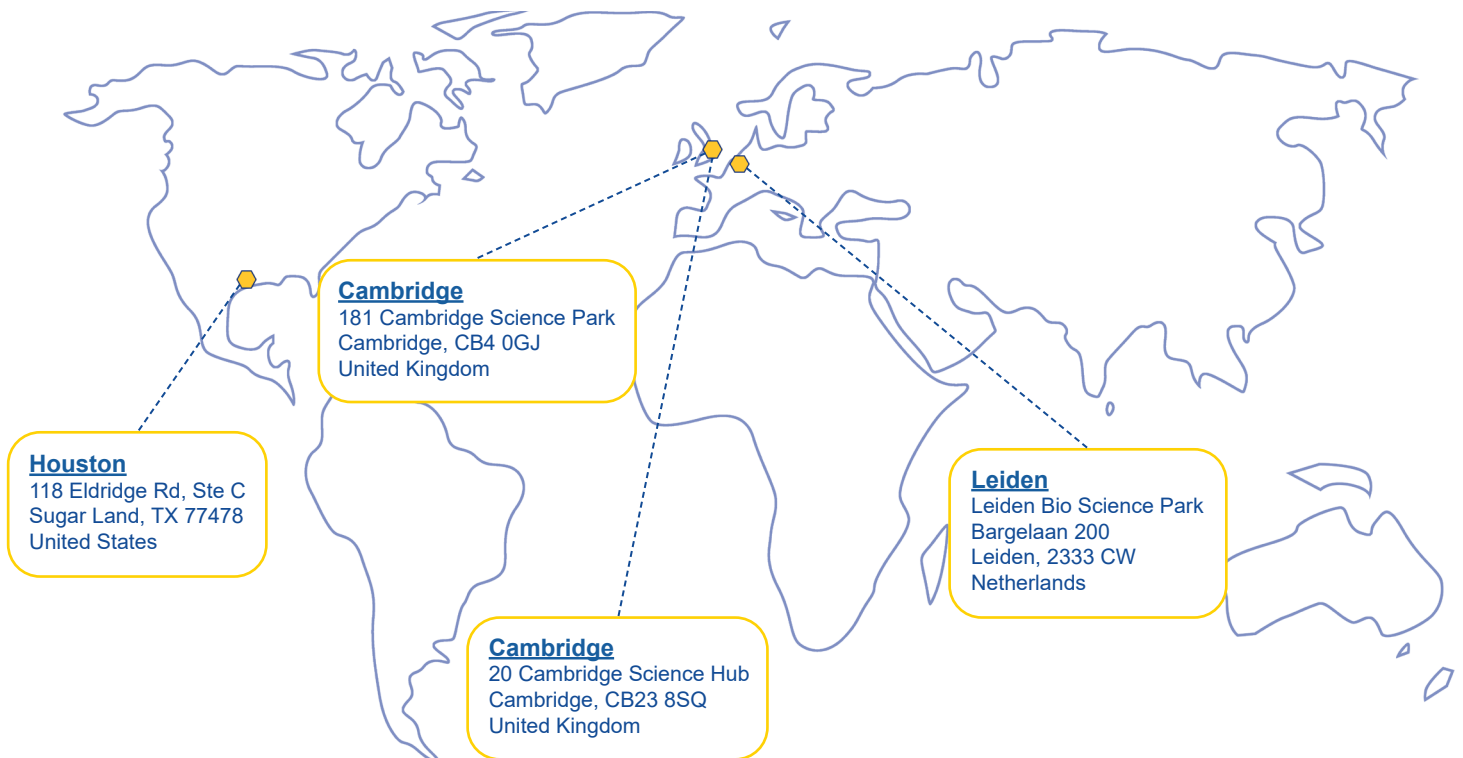
Abbexa is a dedicated worldwide supplier of laboratory consumables. Our mission is to exceed the highest standards of quality and service by offering unrivalled expertise and validated products that produce reliable, reproducible results every time. Our catalogue includes a wide range of primary antibodies, secondary antibodies, proteins, ELISA kits, and enzymes, as well as other kits and biological tools for use in research.



The company has two locations in Cambridge, UK, including a state-of-the-art testing and research lab, and offices in Houston, Texas, USA and Leiden, The Netherlands, to serve customers worldwide.

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Cambridge, CB23 8SQ
United Kingdom

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Leiden, 2333 CW
Netherlands

