
AdipoGen Life Sciences

COMPANY PROFILE

2024





Adipogen Life Sciences, Inc. (AGLS) is a leading company in the arena of the life science research reagents market. A highly skilled team of individuals manufactures and distributes internationally under the brand "AdipoGen Life Sciences" specialized and comprehensive product portfolios in fast growing, new and innovative research areas focusing on:

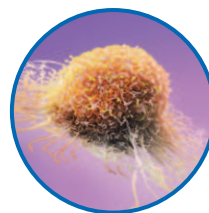
Inflammation & Immune Responses



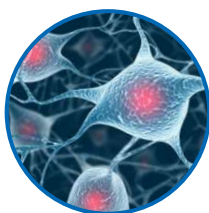
INFLAMMASOMES & INNATE IMMUNITY



B & T CELLS IMMUNE REGULATION



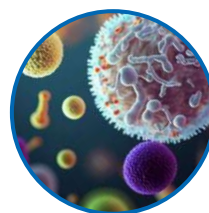
IMMUNE CHECKPOINT BIOLOGY



NEUROINFLAMMATION



OBESITY METABOLIC DISEASES



BACTERIAL & VIRAL INFECTION

Furthermore AGLS partners with a few, very selected 3rd-party companies (see page 15) to support the overall product portfolio of AGLS with high quality research reagents.

Technologies



SMALL MOLECULES BIOCHEMICALS



ELISA KITS ASSAY KITS



TR-FRET KITS



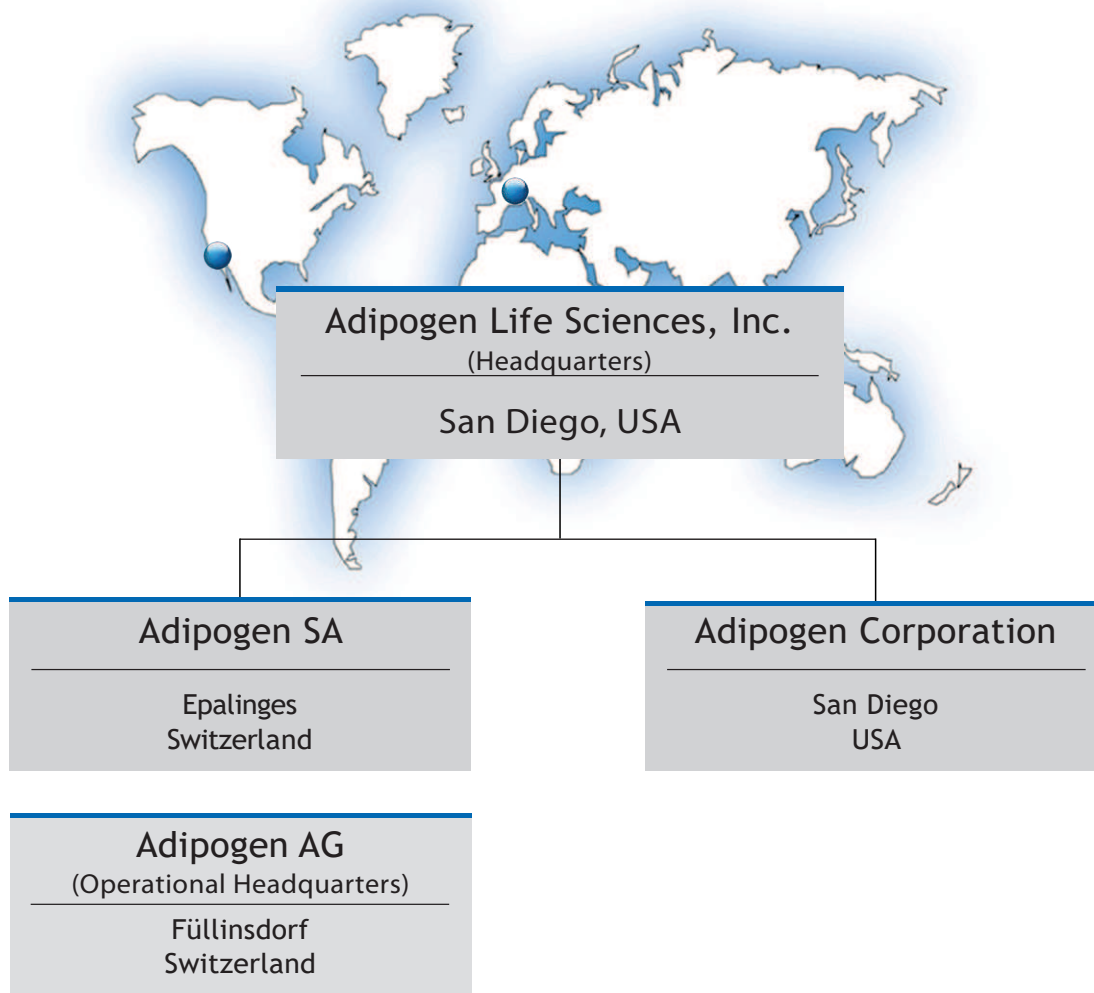
ANTIBODIES REC. ANTIBODIES



PROTEINS ENZYMES

Legal Structure, Locations & Distribution

Adipogen Life Sciences, Inc. (AGLS) consists of two companies, Adipogen Corporation (San Diego, USA) and Adipogen SA (Switzerland) (and its branch office Adipogen AG). The Corporate headquarters is in San Diego, USA and the Operational headquarters is in Füllinsdorf, Switzerland. AGLS operates under the brand “AdipoGen Life Sciences” internationally.



WORLDWIDE DISTRIBUTION

DIRECT: North America (USA & Canada), Switzerland

PARTNERS: Japan, China, Italy

DISTRIBUTORS: 33 Distributors Internationally

The Management Team of Adipogen Life Sciences, Inc. has spent their entire careers in manufacturing and marketing life science research reagents to serve the challenges of the field.

Georges Chappuis, Ph.D.

Chief Executive Officer – Adipogen Life Sciences, Inc.

Tamara E. Sales, CPA

Chief Financial Officer – Adipogen Life Sciences, Inc.

Silvia Dettwiler

Chief Operating Officer – Adipogen Life Sciences, Inc.
Sales – Adipogen Life Sciences, Inc.

Olivier Donzé, Ph.D.

Chief Scientific Officer – Adipogen Life Sciences, Inc.
Managing Director – Adipogen SA

Alessandro Traina, M.Sc.

Marketing – Adipogen Life Sciences, Inc.
Managing Director – Adipogen AG

Jennifer Norman

Director of Sales North & South America

Locations: R&D – Production – Operations

CORPORATE PROFILE 2024

Adipogen Corporation

LOCATION:

San Diego, USA

EXPERTISE:

- North & South American Operational Headquarters
- Marketing & Sales North & South America
- Inventory Management North America



AdipoGen®
LIFE SCIENCES



Adipogen SA

LOCATION:

Epalinges, Switzerland

EXPERTISE:

- Development & Bulk Production of Recombinant Proteins & Functional Antibodies
- Development & Production of Recombinant Antibodies
- Development & Production of ELISA Kits & Assay Kits
- Services



Adipogen AG

LOCATION:

Füllinsdorf, Switzerland

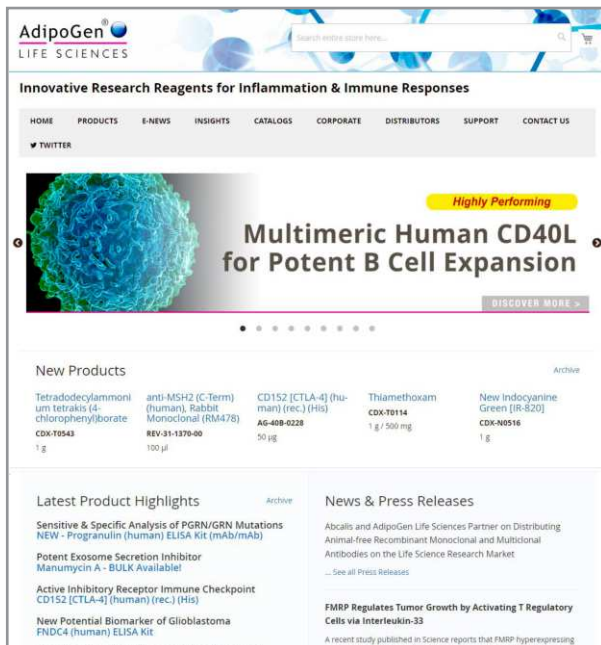
EXPERTISE:

- Global Marketing & Sales
- Global Operational Headquarters
- OEM Relationships / In-licensing Collaborations with Original Manufacturers
- Distributor Management
- Global Inventory Management
- Coordination of Biochemicals Production & QC



AdipoGen®
LIFE SCIENCES





Website (www.adipogen.com)

Features:

- Online Webshop (Direct Ordering)
- Quick & Regular Introduction of New Products
- Regularly Updated News Sections
- Comprehensive Product Information
- *Insights* Landing Pages
- Technical Information Pages
- SEO/Mobile Optimized Design



E-Newsletters (International & USA/CH)

Features:

- Regular Distribution (1-2/month)
- ~10'000 Subscribed Users
- ~30% Opening Rate
- Simple Templates; Re-distributed by several Partners & Distributors

Electronic and Printed Marketing Tools

The collage features five distinct marketing tools from AdipoGen Life Sciences:

- 4th Edition ELISA Kits:** Focuses on emerging research fields including Metabolic Syndrome Biomarkers, Obesity/Type 2 Diabetes Markers, Insulin Resistance Markers, Cardiovascular Markers, Inflammatory Diseases Biomarkers, Rheumatoid Arthritis, Neuroinflammation Markers, Cancer & Autoimmune Diseases Biomarkers, and SARS-CoV-2/COVID-19 Research Assays.
- Proteins with Enhanced Activity & Stability:** Discusses the development of recombinant proteins for research and clinical applications, highlighting the use of AdipoGen's proprietary technology to produce stable, active proteins.
- 2nd Edition Inflammation Research:** Focuses on the expert in inflammation research, from innate to adaptive immunity, featuring a section on NLRP3 Antibody.
- 5th Edition Obesity & Diabetes Research:** Focuses on crucial investment in the future of health, featuring a panel of GLP-1R agonists for obesity research.
- NLRP3 Antibody:** A specialized product for research, including a table of specifications and a list of applications.

Insights – Landing Pages

The screenshot shows the AdipoGen Insights landing page for "Targeting GLP-1, GIP & GCG in Obesity and Type 2 Diabetes Research". It includes a search bar, navigation menu, and a detailed diagram of the GLP-1 signaling pathway. The diagram illustrates the interaction between GLP-1, GIP, and GCG with their respective receptors (GLP-1R, GIPR, GCGR) and the downstream signaling cascade involving G-proteins, PLC, PKC, and PKA, leading to the activation of CREB and the release of insulin from pancreatic beta cells. A table below the diagram lists the components of the pathway:

Glucagon-like Peptide-1 Receptor System	Glucose-metabolism Modulating Peptide/Insulin Receptor System
Central Nervous System	Central Nervous System
1. Safety	1. Food intake
2. Energy	2. Energy
3. Body Weight	3. Body Weight
4. Insulin	4. Insulin
5. Glucose	5. Glucose
6. Lipids	6. Lipids
7. Bone	7. Bone
8. Adipocytes	8. Adipocytes
9. Adipose Tissue	9. Adipose Tissue
10. Subcutaneous White Adipose Tissue	10. Subcutaneous White Adipose Tissue

- Contain Comprehensive Product Overviews
- Contain Technical & Scientific Information

Advertising / Sponsoring

- Ads (e.g. GEN News; Technology Networks)
- Banners for Websites
- Banners for Distributors and Partners
- Keystone eSymposia Sponsoring
- Sponsoring of selected Conferences & Workshops
- SEO Improvements
- Social Media



InVivoKines™

New Proteins with Enhanced Activity & Stability for *In Vivo* Research

InVivoKines™ are a new generation of recombinant fusion proteins for immunotherapeutic, preclinical and translational *in vivo* research, developed in-house by Adipogen Life Sciences. InVivoKines™ are Fc-based fusion proteins using the Knobs-into-holes (KIH) technology.

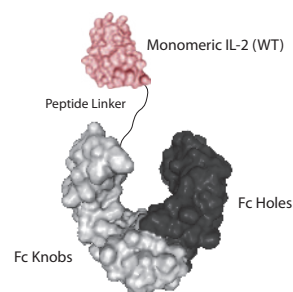
- The KIH-Fc technology allows Fc heterodimerization to create a structure with two different arms, to design naturally occurring active monomeric, heterodimeric or homodimeric proteins.
- The KIH-Fc domain enhances the plasma half-life of the cytokine which substantially improves the pharmacokinetics (PK) while maintaining activity.
- The KIH-Fc domain engages with the Fc γ receptors (Fc γ R_s) and the complement C1q, which may result in ADCC, ADCP and CDC*.
- The KIH-Fc LALA-PG mutations inhibit binding to Fc γ R_s and C1q while FcRn binding and Fc stability remain unaffected.

InVivoKines™ QUALITY FEATURES:

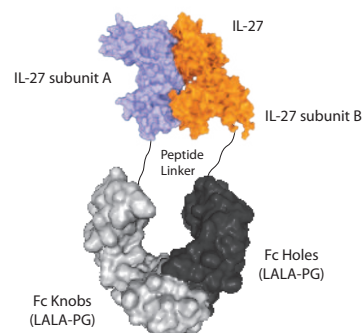
- Natural Conformation - Production in HEK 293 or CHO cells
- Production under Animal-Free Conditions
- High Bioactivity verified by ELISA/Cell-based Assays
- High Purity and Homogeneity verified by SDS-PAGE and SEC
- Low Endotoxin Levels (Low Immune Artefacts)
- Strict Quality Control (Batch-to-Batch Consistency)

*Antibody-dependent cellular cytotoxicity (ADCC), Antibody-dependent cellular phagocytosis (ADCP), Complement-dependent cytotoxicity (CDC)

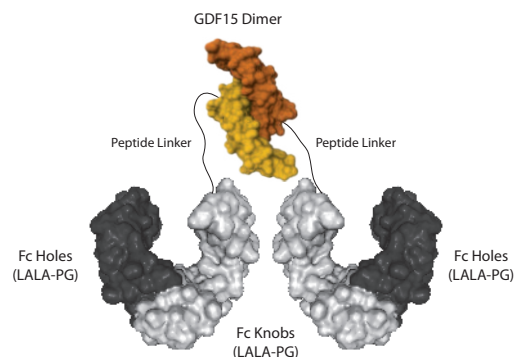
InVivoKines™



Monomer



Heterodimer



Homodimer

Product Group – Proteins

CORPORATE PROFILE 2024

PROTEINS

- Low endotoxin levels
- Produced in *E. coli*, HEK 293, CHO and Insect Cells
- Bulk quantities available
- MultiPacks available (**Savings!**)
- Animal-Free components production (Serum-Free)



AdipoGen Life Sciences' Specialty – Proteins with Enhanced Activity & Stability, Manufactured under Animal-Free Conditions

HIGHLIGHTS:

- Multimeric Proteins (MegaLigands)
- Human IL-2 Superkines
- Human & Mouse VISTA:COMP
- Human Soluble BAFF (60-mer)
- Enzymatically Active Human PARG
- Non-Lytic Proteins
- COMP:Human Angiopoietin-1
- Human DLL4 (Highly Active Mutant)
- Human Soluble *iz*TRAIL
- COMP:Human CD40L
- New Immune Checkpoint TAPBPL:Fc
- Human IL-33 (oxidation resistant)

InVivoKines™ *see Page 9*

SELECTED OTHER PROTEINS:

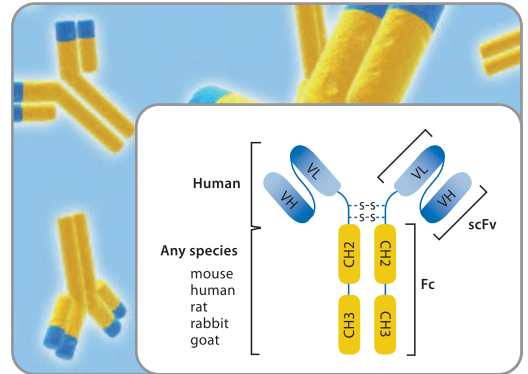
- Full Panel of Immune Checkpoint Proteins
- Comprehensive Panel of TNF Superfamily Proteins
- Biologically Active Mouse & Human IL-35
- Natural & Recombinant High Purity Flagellin
- Human Soluble ACE2 Proteins
- SARS-CoV-2 RBD Mutant Variants
- Untagged Progranulins
- Full Panel of Notch-Family Proteins
- Full Panel of Irisins
- Human Asprosin (His-tagged)
- Isthmin Proteins (New Adipokine)
- Untagged Human CTLA-4

Product Group – Antibodies / Recombinant Antibodies

CORPORATE PROFILE 2024

ANTIBODIES

- Raised against purified native proteins
- Extensively tested/validated
- Cited in scientific publications
- Competent for different applications
- ATTO, Biotin and FITC-labeled
- Used in ELISA Kits



AdipoGen Life Sciences' Specialty – Functional & Recombinant Antibodies (Phage Display)

Antibodies developed from NON-ANIMAL SOURCES using *in vitro* antibody phage display technology for research and potential therapeutic application.

- Developed from a human antibody phage display library and produced in mammalian cells (CHO or HEK 293)
- Show similar properties compared to monoclonal antibodies developed in mice/rat/rabbit (e.g. affinity in the low nanomolar range)
- Ideal for conserved antigens (which are poorly immunogenic in animals) to detect conformational epitopes (e.g. GTP-bound proteins) or protein modifications (e.g. phosphorylations, ubiquitinations)

SELECTED HIGHLIGHTS:

- Blocking Antibodies for *in vitro* & *in vivo* Studies (mAPRIL, mBAFF, mAngiopoietin-2, mIL-33)
- Activating Antibodies for *in vitro* & *in vivo* Studies (mCD40, mFAS)
- Neutralizing Antibodies for *in vitro* & *in vivo* Studies (Zika Virus, SARS-CoV-2)
- Post-translational Modification-specific Antibodies (Polyglutamylated, Acetylated, Glycosylated, Palmitoylated)
- Conformation-specific Antibodies (VISTA, GTP-Tubulin)
- The Standard Antibodies for Inflammasome Research (NLRP3, Asc, Activated Caspase-1)
- NLRP3 Inflammasome Starter Sets / PANoptosome Starter Sets
- Recombinant Multiclonal Antibody

Product Group – ELISA Kits

ELISA KITS

- High performance quality kits
- Reproducible results with low inter- and intra-assay variation
- High sensitivity and specificity
- Broad range of sample types (e.g serum, plasma, cell culture supernatant, urine)
- Unique intracellular detection systems
- Many product-specific literature references



AdipoGen Life Sciences Develops and Manufactures Unique ELISA Kits in Emerging Research Fields

BIOMARKERS

ACE2	IL-36Ra
ACBP	IL-37
Adiponectin	IL-38
ANGPTL3/ANGPTL6	Insulin
APRIL/BAFF	Irisin
Asprosin	Isthmin-1
B7-H3 [CD276]	Nampt/Visfatin
Caspase-1	PD-1/PD-L1
CD40L	Periostin
DLK1	Progranulin
Erythroferrone [ERFE]	RBP4
FGL1	RELM-β
FNDC4	Resistin
Gasdermin D & E	Sirtuin 1
GPX1/GPX3	SARS-CoV-2 / COVID-19
ICOSL	Vaspin
IL-1α/IL-1β	Zinc-α-2-glycoprotein
IL-10	Oxidative Stress Marker
IL-36α, IL-36β, IL-36γ	Trace Elements




www.adipogen.com

4th Edition

ELISA Kits

Focusing on Emerging Research Fields:

Metabolic Syndrome Biomarkers

- Obesity/Type 2 Diabetes Markers
- Insulin Resistance Markers
- Cardiovascular Markers

Inflammatory Diseases Biomarkers

- Rheumatoid Arthritis
- Neuroinflammation Markers

Cancer & Autoimmune Diseases Biomarkers

SARS-CoV-2/COVID-19 Research Assays

Biomarkers	
ACE2	2
ACBP	2
Adiponectin	2
ANGPTL3 / ANGPTL6	2
APRIL / BAFF	3
Asprosin	4
B7-H3 (CD276)	4
Caspase-1	4
CD40L	4
DLK1	4
Erythroferrone (ERFE)	5
FGL1	5
FNDC4	5
Gasdermin D	5
Gasdermin E	5
GPX1 / GPX3	6
ICOSL	6
IL-1α / IL-1β	6
IL-36α / IL-36β / IL-36γ	6/7
IL-36Ra	7
IL-37	7
IL-38	7
Irisin	7
Nampt/Visfatin	8
PD-1 / PD-L1	8
Periostin	8
Progranulin NEW	9
RBP4	9
RELM-β	11
Resistin	11
Sirtuin 1	11
SARS-CoV-2/COVID-19	10
Vaspin	11
Zinc-α-2-glycoprotein	11
Oxidative Stress Marker	12
Trace Elements	12
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Product Group – Small Molecules/Biochemicals

CORPORATE PROFILE 2024



AdipoGen Life Sciences' business division «Small Molecules/Biochemicals» supports the overall product portfolio in the key areas Inflammasomes & Innate Immunity, B & T Cells Immune Regulation, Immune Checkpoint Regulation, Neuroinflammation, Obesity/Metabolic Diseases and Bacterial and Viral Infection. AdipoGen Life Sciences is the manufacturer of many unique and high quality biochemicals and partners closely with Chemodex.



Focus areas:

Small Biologically Active Molecules

Unique Natural Products

Rare Antibiotics

Screening Compounds

Microbiota

Detection



- ➔ Dyes
- ➔ Labels
- ➔ Probes

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MANUFACTURER OF Fluorescent Reagents & Fine Chemicals

Chemodex is a Swiss company manufacturing an extensive product portfolio at very competitive prices. Chemodex is an expert in the production of fluorescent reagents and fine chemicals such as dyes, reagents, buffers, and solvents. The reagents are used by life science researchers in protein, cell, and tissue staining, microscopy, and molecular biology, and in other applications like microarray technology, immunology, and molecular biology. Chemodex is also a leading manufacturer of fluorescent reagents and fine chemicals for the pharmaceutical and diagnostic industries.

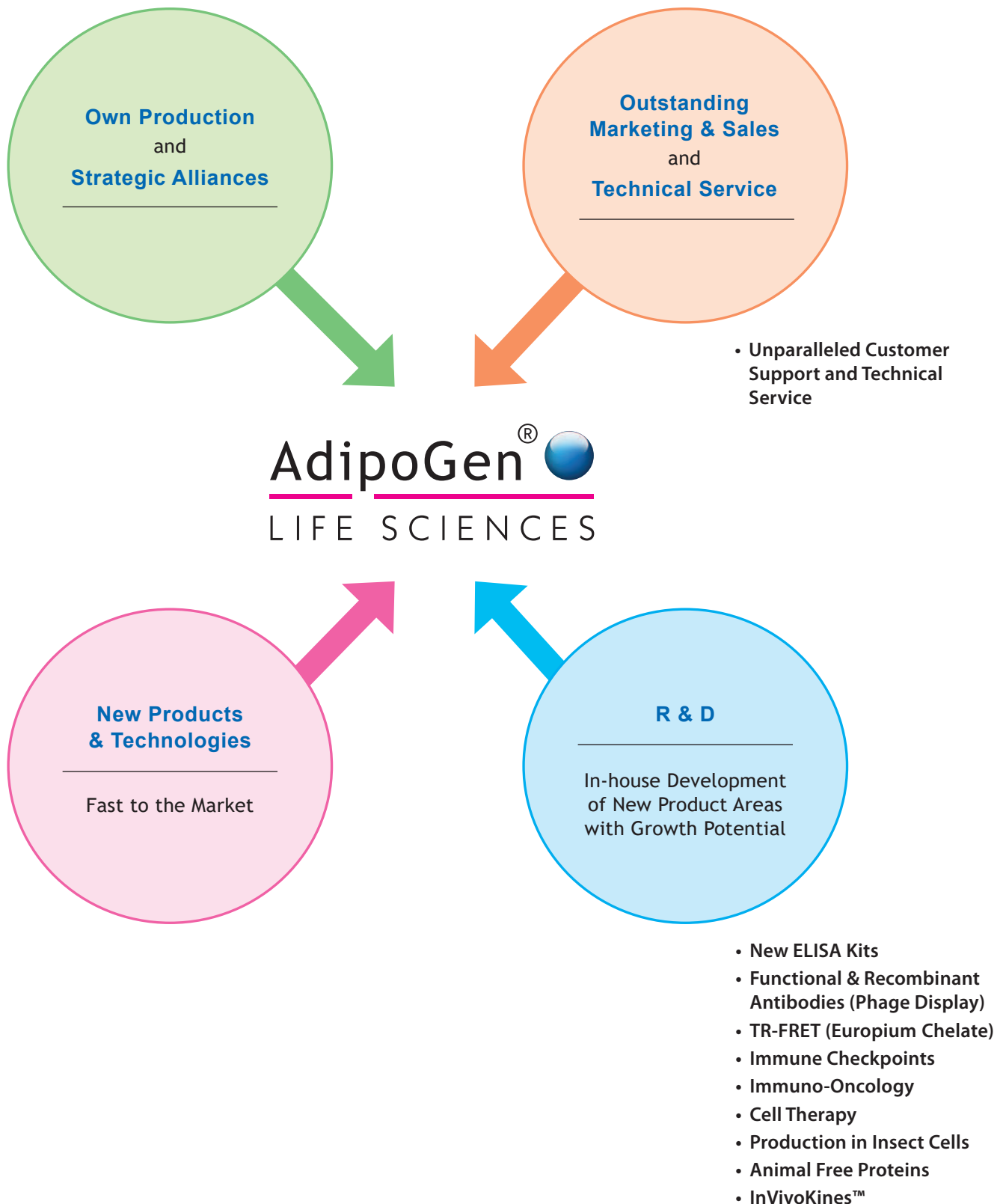
AdipoGen Life Sciences collaborates closely with Chemodex and is distributing their products worldwide. Please contact us for further information (see FAQ) concerning our services.

> 1000 Products

- Common and New Fluorescent Markers, Probes, Stains, Labels 1-5
- Cellular Sensors, Ion and pH Indicators 2-4
- Reactive Oxygen Species (ROS) Detection / Nitric Oxide Detection 5-6
- Cell Biology Dyes & Probes 7-8
- Molecular Biology & Analytical Reagents 9-10
- Reference Compounds (Proteins & Peptides) 11
- Quantum Sensing Reagents - Largest Panel 11
- Specialty Reagents, APIs & Building Blocks 12

Overall Product Strategy for Growth

CORPORATE PROFILE 2024



AdipoGen[®]

LIFE SCIENCES

Collaborating with:



High Quality CD Monoclonal Antibodies and Fusion Proteins



TLR Agonists & Antagonists
IAXO Compounds
LPS & ODNs



Universal High Throughput Screening Assays for Drug Discovery



High Quality Oxidative Stress Markers



The Leader in EIA Kits, Eicosanoids, Nitric Oxide & Signal Transduction Products



Advanced Rabbit & Goat Recombinant Antibodies



Manufacturer of Fluorescent Probes, Stains, Labels, Dyes, Markers and Metabolites



Specialized in Bioassays, Enzymes and Advanced TR-FRET Technology



The Experts for High Quality Fusion Proteins

The Expert for High Quality Fusion Proteins

Contact

CORPORATE PROFILE 2024

USA

Adipogen Life Sciences, Inc.
9853 Pacific Heights Blvd., Suite L
San Diego, CA 92121-4721
TEL: (858) 457-8383
FAX: (858) 457-8484
agls@adipogen.com

SWITZERLAND

Adipogen SA
Route de la Corniche 9A
CH-1066 Epalinges
TEL: +41-21-651-25-00
info-ch@adipogen.com

SWITZERLAND

Adipogen AG
Schneckelerstrasse 1
CH-4414 Füllinsdorf
TEL: +41-61-926-60-40
FAX: +41-61-926-60-49
info@adipogen.com

USA

Adipogen Corporation
9853 Pacific Heights Blvd., Suite L
San Diego, CA 92121-4721
TEL: (858) 457-8383
FAX: (858) 457-8484
info-us@adipogen.com

www.adipogen.com