

# LAG-3 Antagonist - Pipeline Insight, 2022

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## Abstracts

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DelveInsight's, "LAG-3 Antagonist - Pipeline Insight, 2022" report provides comprehensive insights about 20+ companies and 20+ pipeline drugs in LAG-3 Antagonist pipeline landscape. It covers the pipeline drug profiles, including clinical and nonclinical stage products. It also covers the therapeutics assessment by product type, stage, route of administration, and molecule type. It further highlights the inactive pipeline products in this space.

### Geography Covered

Global coverage

### LAG-3 Antagonist Understanding

#### LAG-3 Antagonist: Overview

LAG-3 is Lymphocyte Activation Gene-3 (LAG-3 or CD223) is a cell surface molecule expressed on activated T cells, NK cells, B cells, and plasmacytoid dendritic cells. It is involved in the regulation of the immune system. LAG3 was discovered by Triebel and colleagues in 1990 as a novel 498-amino acid type I transmembrane protein. Under physiological conditions, LAG3 is an activation marker for CD4+ and CD8+ T cells. LAG-3 plays an important role in modulating T cell expansion and function, and blockade of LAG-3 with monoclonal antibodies can augment T cell function in multiple models. Lymphocyte Activation Gene-3 is a potential cancer immunotherapeutic target due to its negative regulatory role on T cells and its capacity, in combination with PD1, to mediate a state of exhaustion. Several LAG3 modulating immunotherapeutics are

currently in various stages of clinical and pre-clinical development.

## Report Highlights

The companies and academics are working to assess challenges and seek opportunities that could influence LAG-3 Antagonist R&D. The therapies under development are focused on novel approaches for LAG-3 Antagonist.

On 5th May 2020 Crescendo Biologics and Cancer Research announced a Clinical Development Partnership to progress one of Crescendo's novel bispecific Humabody® immunotherapies, CB213, into clinical trials targeting cancers of high unmet medical need. Under the terms of the agreement, Cancer Research UK's Centre for Drug Development will sponsor and fund a future Phase I clinical trial for CB213, in patients with solid tumors.

## LAG-3 Antagonist Emerging Drugs Chapters

This segment of the LAG-3 Antagonist report encloses its detailed analysis of various drugs in different stages of clinical development, including phase III, II, I, preclinical and Discovery. It also helps to understand clinical trial details, expressive pharmacological action, agreements and collaborations, and the latest news and press releases.

## LAG-3 Antagonist Emerging Drugs

### Tebotelimab: MacroGenics

Tebotelimab (previously known as MGD013) is an investigational, first-in-class bispecific, tetravalent DART molecule targeting PD-1 and LAG-3. Tebotelimab has been engineered to bind PD-1 and LAG-3 concomitantly or independently and disrupt these non-redundant inhibitory pathways to further restore exhausted T-cell function.

### LAG525: Novartis

LAG525, also known as IMP701 is an investigational molecule being developed to potentially treat a range of solid tumors. It is a high-affinity, ligand-blocking, humanized anti-LAG-3 IgG4 antibody which blocks the binding of the known LAG-3 ligand MHC

class II to LAG-3. Immuteq began the development of LAG525 and is now being continued by Novartis in collaboration with the Australian biotechnology company Prima BioMed.

Further product details are provided in the report.....

### LAG-3 Antagonist: Therapeutic Assessment

This segment of the report provides insights about the different LAG-3 Antagonist drugs segregated based on following parameters that define the scope of the report, such as:

#### Major Players working on LAG-3 Antagonist

There are approx. 20+ key companies which are developing the LAG-3 Antagonist. The companies which have their LAG-3 Antagonist drug candidates in the most advanced stage, i.e. Phase II/III include, Bristol-Myers Squibb/Ono Pharmaceuticals.

#### Phases

DelveInsight's report covers around 20+ products under different phases of clinical development like

Late-stage products (Phase III and

Mid-stage products (Phase II and

Early-stage products (Phase I/II and Phase I) along with the details of

Pre-clinical and Discovery stage candidates

Discontinued & Inactive candidates

Route of Administration

LAG-3 Antagonist pipeline report provides the therapeutic assessment of the pipeline drugs by the Route of Administration. Products have been categorized under various

ROAs such as

Infusion

Intradermal

Intramuscular

Intranasal

Intravaginal

Oral

Parenteral

Subcutaneous

Topical

Molecule Type

Products have been categorized under various Molecule types such as

Vaccines

Monoclonal Antibody

Peptides

Polymer

Small molecule

Product Type

Drugs have been categorized under various product types like Mono, Combination and

Mono/Combination.

## LAG-3 Antagonist: Pipeline Development Activities

The report provides insights into different therapeutic candidates in phase III, II, I, preclinical and discovery stage. It also analyses LAG-3 Antagonist therapeutic drugs key players involved in developing key drugs.

## Pipeline Development Activities

The report covers the detailed information of collaborations, acquisition and merger, licensing along with a thorough therapeutic assessment of emerging LAG-3 Antagonist drugs.

## LAG-3 Antagonist Report Insights

- LAG-3 Antagonist Pipeline Analysis

- Therapeutic Assessment

- Unmet Needs

- Impact of Drugs

## LAG-3 Antagonist Report Assessment

- Pipeline Product Profiles

- Therapeutic Assessment

- Pipeline Assessment

- Inactive drugs assessment

- Unmet Needs

## Key Questions

## Current Scenario and Emerging Therapies:

How many companies are developing LAG-3 Antagonist drugs?

How many LAG-3 Antagonist drugs are developed by each company?

How many emerging drugs are in mid-stage, and late-stage of development for LAG-3 Antagonist?

What are the key collaborations (Industry–Industry, Industry–Academia), Mergers and acquisitions, licensing activities related to the LAG-3 Antagonist therapeutics?

What are the recent trends, drug types and novel technologies developed to overcome the limitation of existing therapies?

What are the clinical studies going on for LAG-3 Antagonist and their status?

What are the key designations that have been granted to the emerging drugs?

## Key Players

MacroGenics

Novartis

Merck Sharp & Dohme

Crescendo Biologics

F-star Therapeutics

MICROBIO Group

Bristol-Myers Squibb

Ono Pharmaceuticals

Symphogen

Avacta

Abeome Corporation

## Key Products

Tebotelimab

LAG525

Favezelimab

CB213

FS-118

SNA-03

Relatlimab

Sym022

AVA-0017

LAG3 antagonist

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**FS-118: F-star Therapeutics**

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

**Pre-clinical and Discovery Stage Products**

Comparative Analysis

**CB213: Crescendo Biologics**

Product Description

Research and Development

Product Development Activities

Drug profiles in the detailed report.....

**Inactive Products**

Comparative Analysis

**LAG-3 Antagonist Key Companies****LAG-3 Antagonist Key Products****LAG-3 Antagonist- Unmet Needs****LAG-3 Antagonist- Market Drivers and Barriers****LAG-3 Antagonist- Future Perspectives and Conclusion****LAG-3 Antagonist Analyst Views****LAG-3 Antagonist Key Companies****Appendix**

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