



***Your Immunity is Depend
On Your Decision!***

We contact, consume and inhale
Millions of potential **Pathogens** everyday!



Pathogens are microorganisms and abiotics that cause diseases, which include:
parasites, bacteria, fungi,
viruses, dust, haze, pollen,
and so on.

Source: Molecular Biology of the Cell. 4th edition.

The human body has a very **Sophisticated** and **Subtle Immune System**

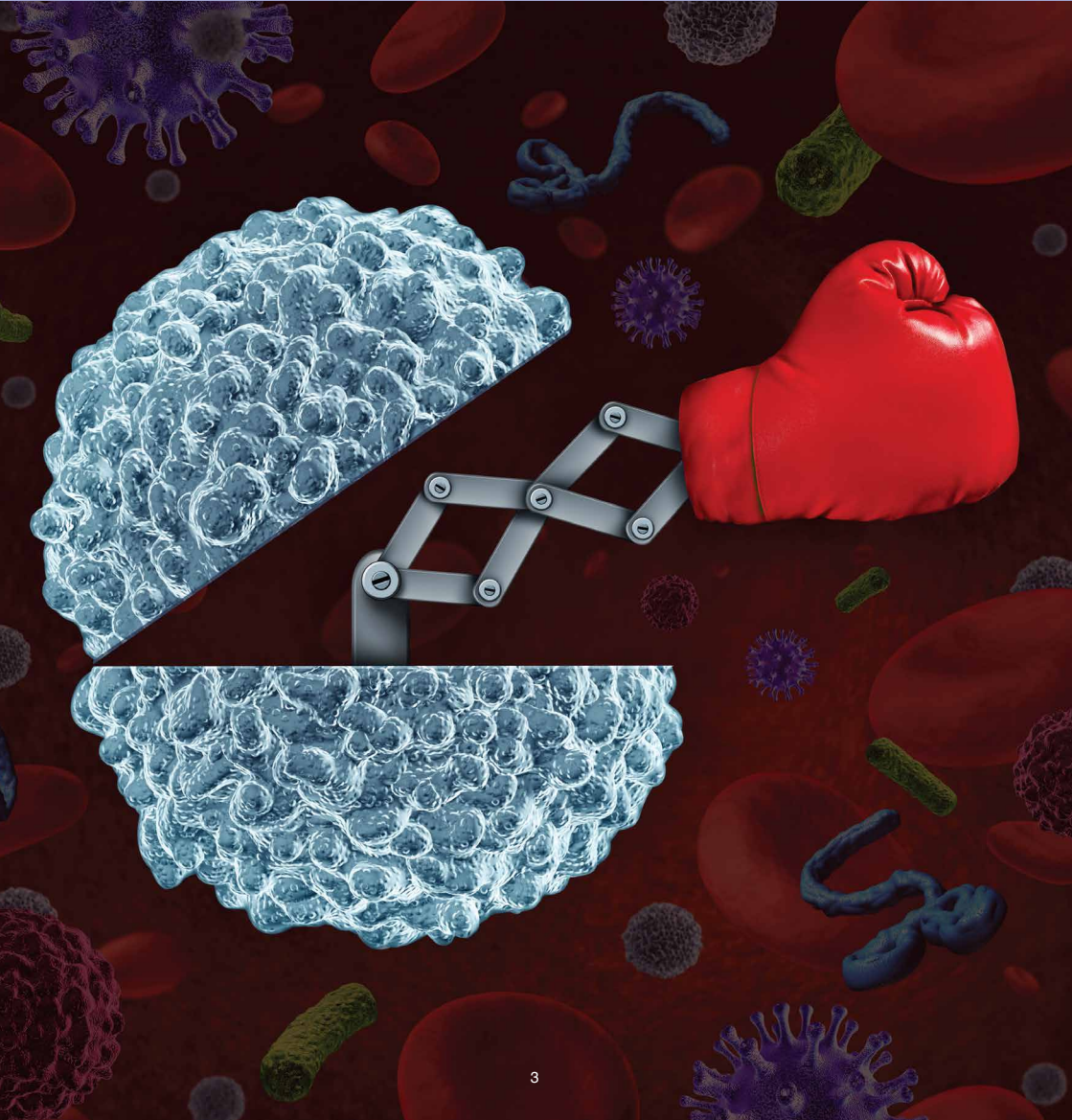
This immune system provides a **24** hours
Defensive Shield for each body system

Externally
defence against
pathogens

Internally
eliminate aged
and abnormal
cells



Macrophage is an indispensable cells for our immune system, It is also the most important **Immune Cell** to against diseases.



Macrophage play different roles in the Immune System

1. Protect the body

2. Regulating immune system



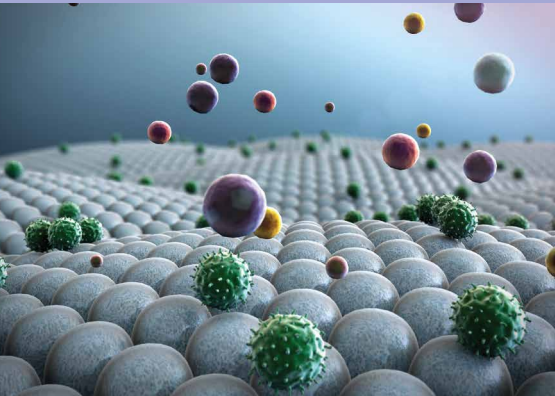
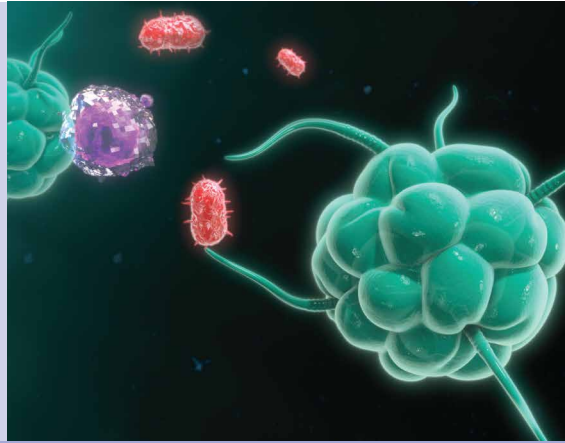
3. Eliminate aged and abnormal cells

4. Repair cells

Source: Exploring the full spectrum of macrophage activities, Nat Rev Immunol, 2008.

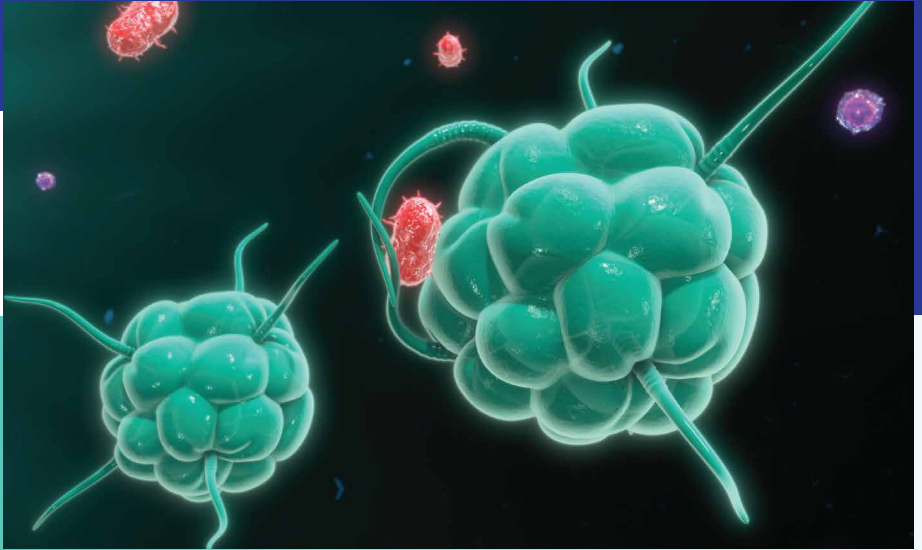
1. Protect the body

- Fight against and engulf (phagocyte) pathogens.
- Meantime signaling other immune cells to attack pathogens together in order.
- To protect human cells.



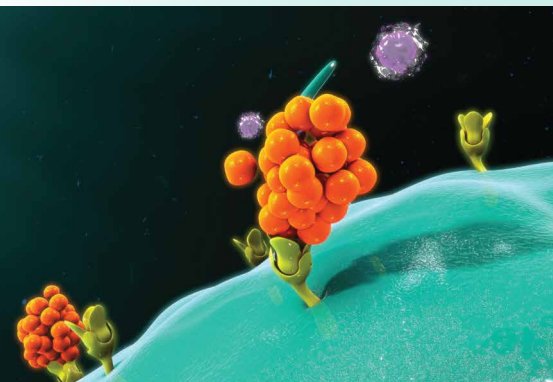
2. Regulating immune system

- Timely regulation of immune cells to stop the attack.



3. Eliminate aged and abnormal cells

- Eliminate destroyed pathogens, aged and abnormal cells.



4. Repair cells

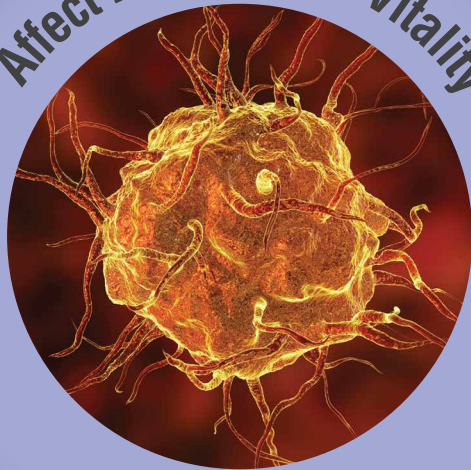
- Release immune factors to promote the repair of damaged tissue.

Source: Exploring the full spectrum of macrophage activities, Nat Rev Immunol, 2008.

Aging • Environment Pollution High temperature, Low temperature, Noise • Lifestyle



Affect Macrophage Vitality



Inactive Macrophage = Immune Disorder

How to ensure macrophages
function normally for
24 hours?

The best way is to **Provide**
the **Vitamins** needed for
macrophages to
activate its function:

Protect the body

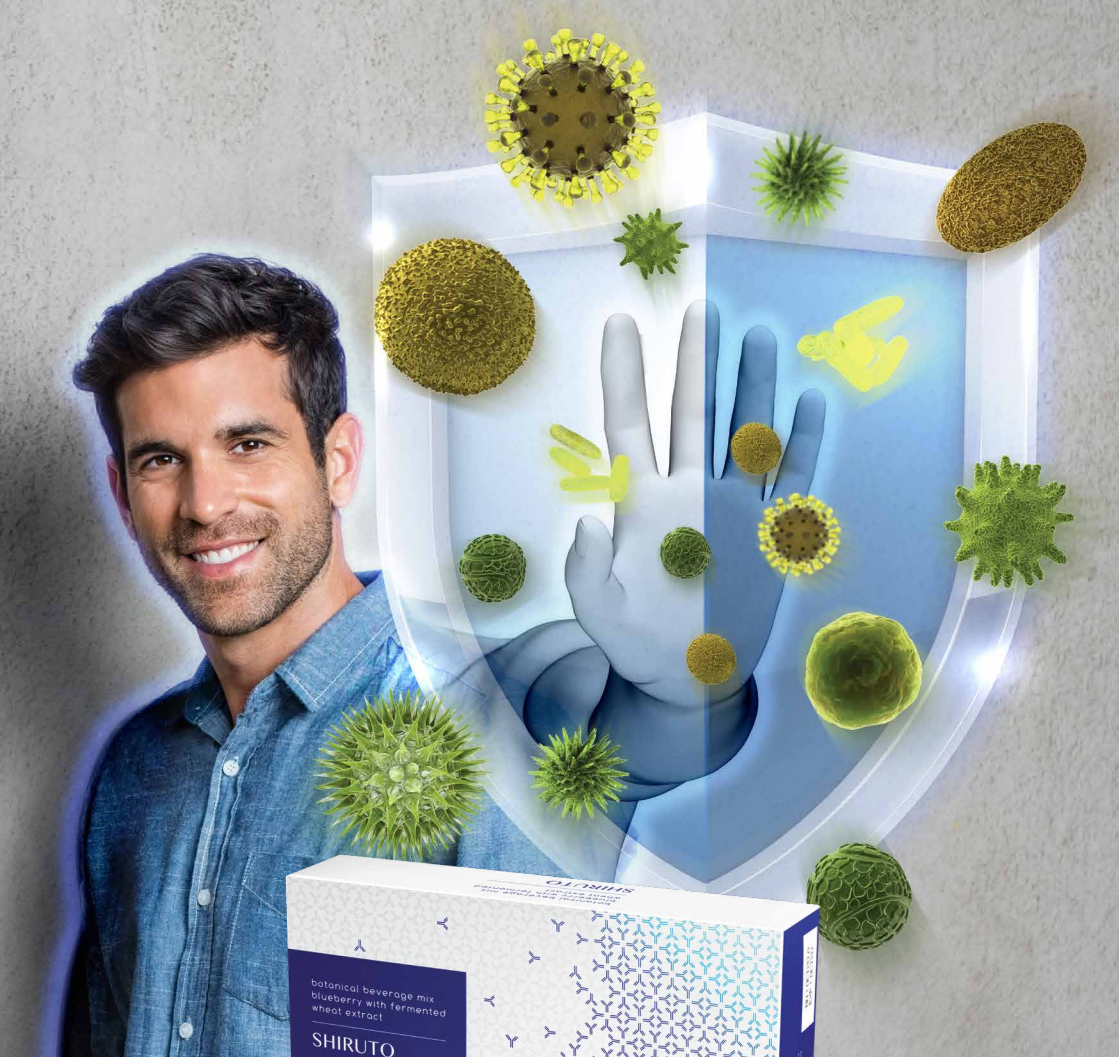
Regulating immune system

Eliminate aged and
abnormal cells

Repair cells

Insufficient sleep, Lack of nutrients, Mental stress





SHIRUTO

VITAMINS OF IMMUNITY

免疫ビタミン

1
2
3
4

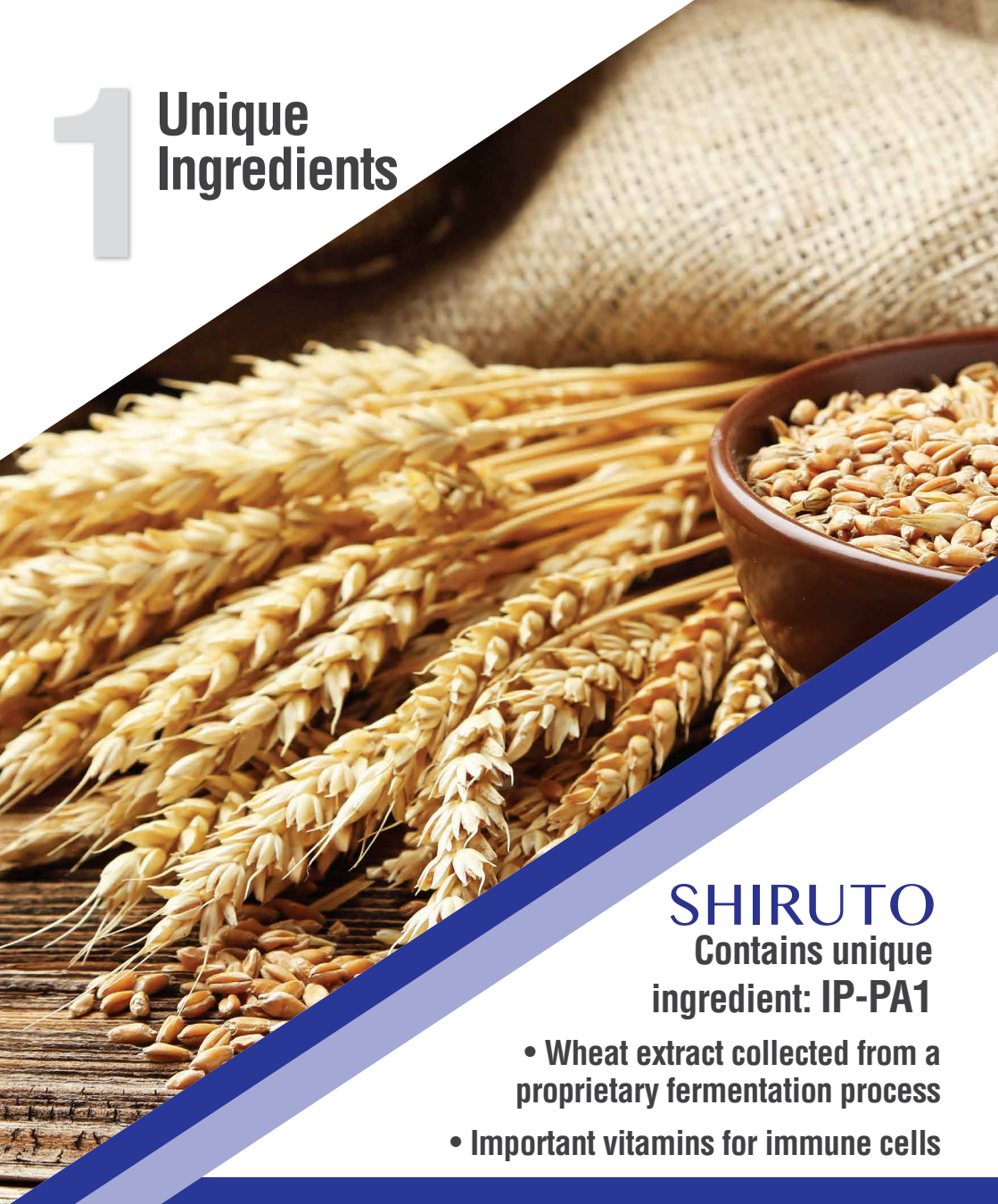
Unique Ingredients

Patented Fermentation and
Extraction Process

Clinically Proven

The FIRST and ONLY
Ingredient Recognised
by the CIITRA from Japan

1 Unique Ingredients



SHIRUTO

Contains unique ingredient: IP-PA1

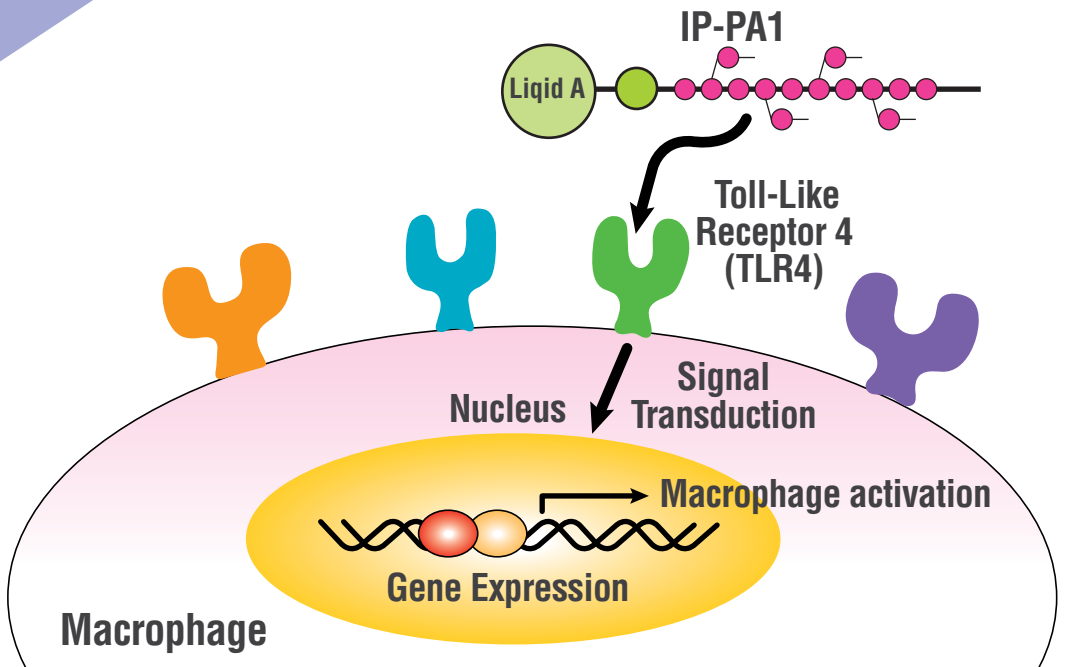
- Wheat extract collected from a proprietary fermentation process
- Important vitamins for immune cells

Vitamin:

- 1) If lacking can cause illness or hinder growth.
- 2) Cannot be synthesized by body and must be obtained from food.
- 3) Nutrient apart from carbohydrates, proteins and lipids.



IP-PA1 binds to the macrophages surface receptor (TLR4) to Activate Macrophages



2011, three scientists discovered the key principles of immune system activation and awarded the **Nobel Prize in Medicine.**



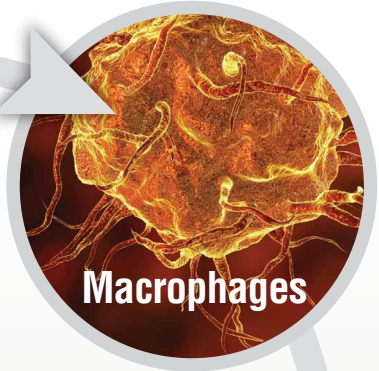
2

Patented Fermentation and Extraction Process

Unique and patented processing method designed to ensure optimal performance of IP-PA1.



Activate



Fermented wheat extract
(IP-PA1) (5000 Dal)

**Activate
Immune System**

**Help to prevent
and improve:**

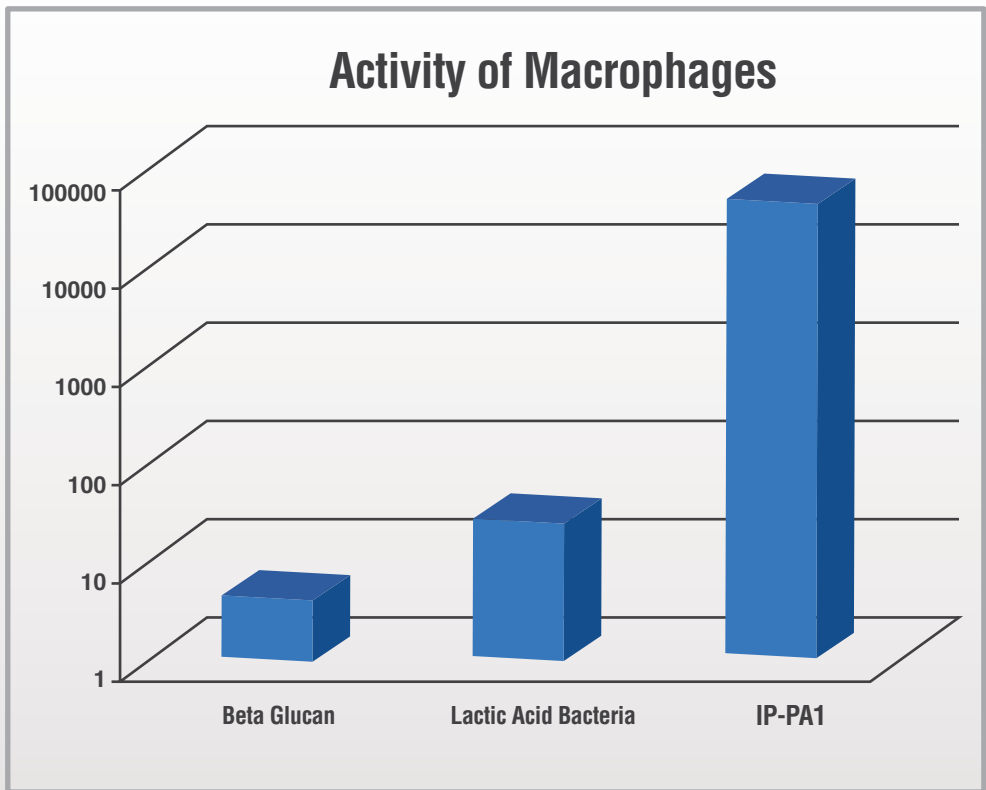
- Infection
- Allergy
- Dermatitis
- Hyperlipidaemia
- Gastric Ulcer
- Osteoporosis

- Inhibit Infection
- Regulate Immunity
- Regulate Metabolism
- Improve Wound Healing

3

Clinically Proven: Activating the Macrophages

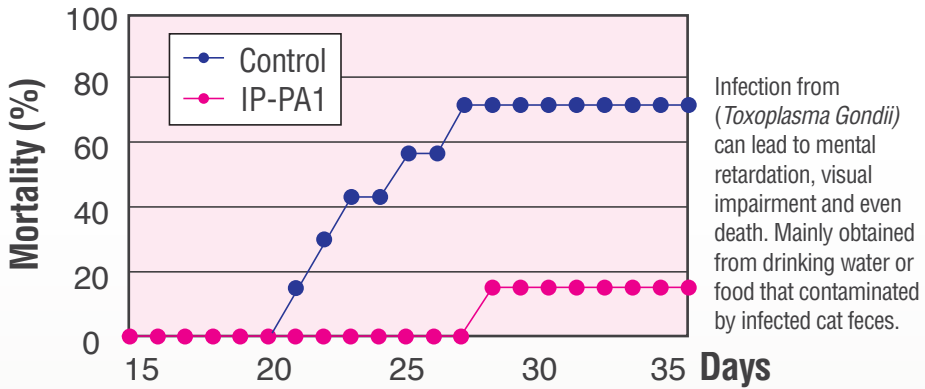
IP-PA1 activate the activity of macrophages is **1000 times** more than beta glucan and lactic acid bacteria



Clinically Proven: Protect the Body

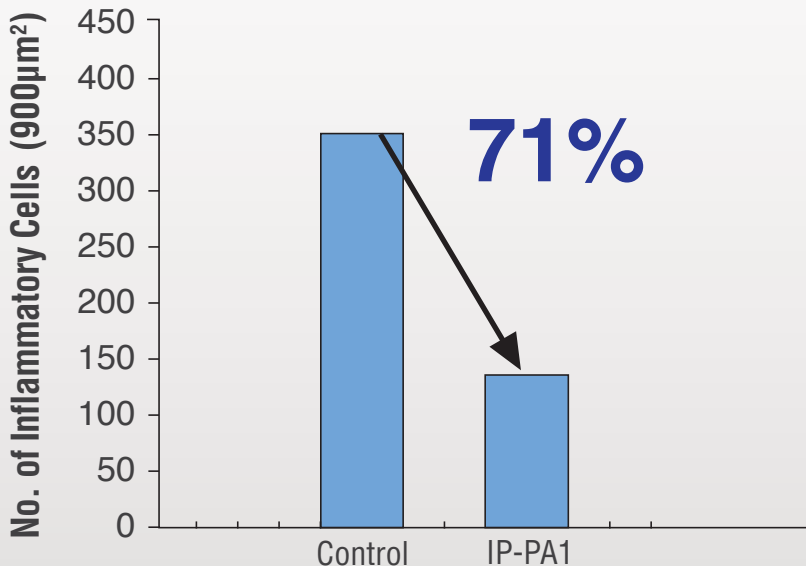


1. Reduce mortality from parasites (*Toxoplasma Gondii*) infection



Source: Chemical and Pharmaceutical Bulletin. 40(5): 1266-1267 (1992).

2. Reduce dermatitis (skin problem) up to 71%

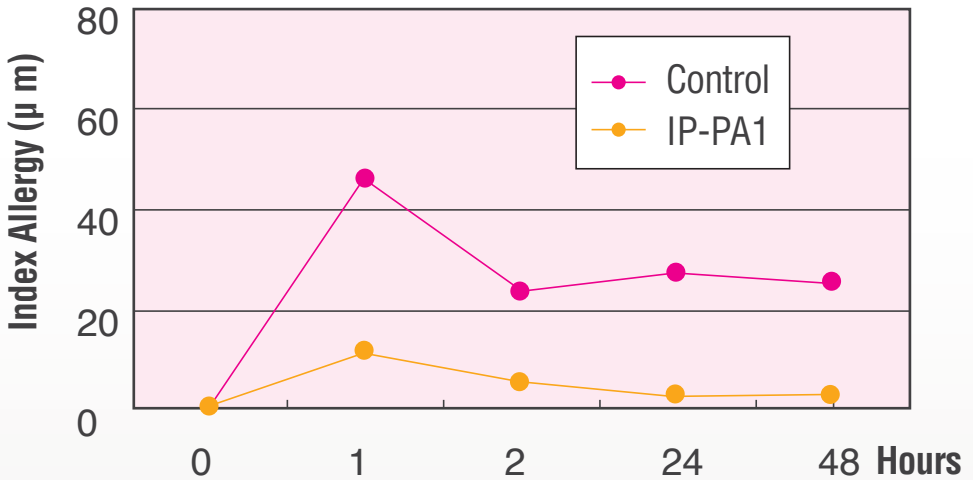


Source: Anticancer Research 35: 4501-4508 (2015).

Clinically Proven: Regulating Immune System



Reduce allergic reactions



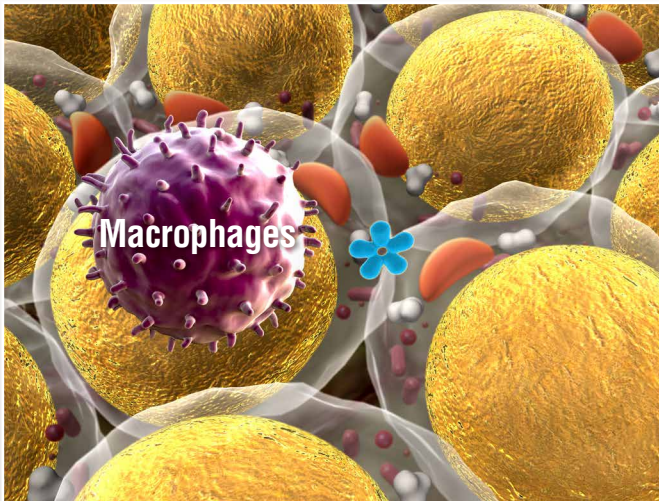
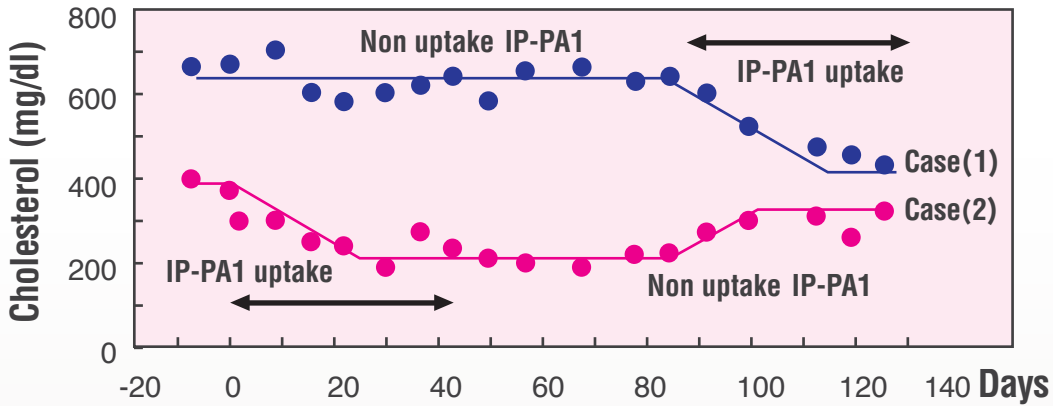
Source: Biotherapy. 11(3): 464-466 (1997).



Clinically Proven: Eliminate Aged and Abnormal Cells



Effectively Reduce High Cholesterol



Macrophages help eliminate the tissue's peroxidized LDL, maintain intracellular cholesterol levels, and delay the onset of atherosclerosis.

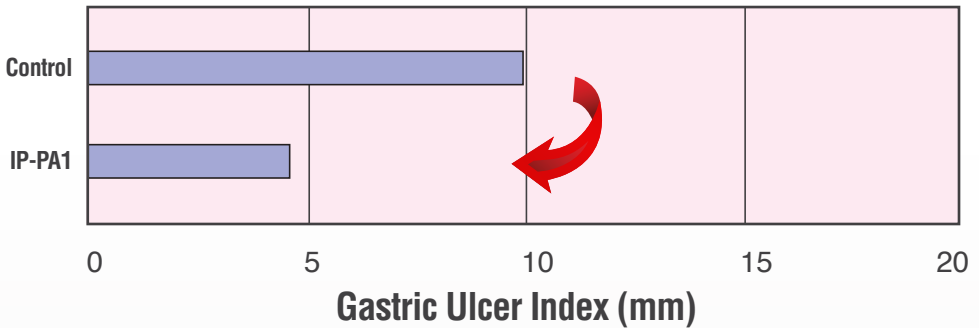
Source: Biotherapy. 5(4): 617-621 (1991).

Chemical and Pharmaceutical Bulletin. 40(5): 1268-1270 (1992).



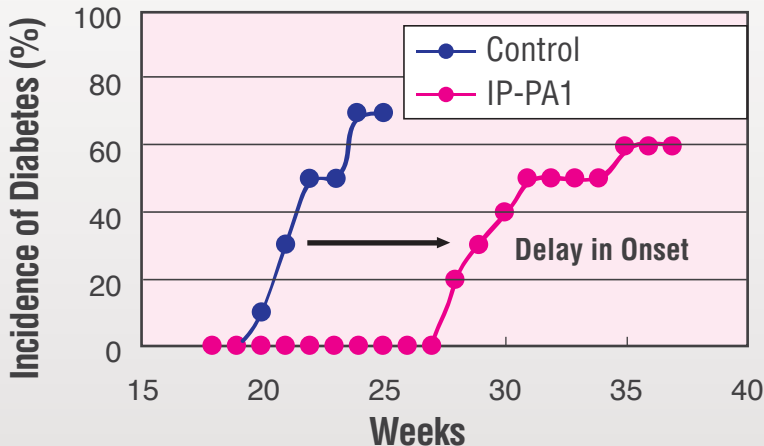
Clinically Proven: Repair Cells

1. Reduce Gastric Ulcer



Source: Chemical and Pharmaceutical Bulletin. 40(4): 998-1000 (1992).

2. Repair insulin-producing cells and maintain insulin production (type 1 diabetes) to delay disease outbreak



Source: Chemical and Pharmaceutical Bulletin. 40(4): 1004-1006 (1992).

4 The FIRST and ONLY Ingredient Recognised by the CIITRA from Japan



Natural Immunology Seminar Organized by CIITRA

The First and Only Recognized by CIITRA from Japan

NATURAL IMMUNE INGREDIENT

- 1982 – Honorary Professor Den'ichi Mizuno of Tokyo University started the project on the function of macrophages in maintain health. Professor Gen-Ichiro Soma and Professor Hiroyuki Inagawa join in the project.
- 1988 – The macrophage activator found in wheat was discovered to be 1P-PA1.
- 1990 – Research on the prevention and improvement of various diseases through oral ingestion of IP-PA1.
- 1992 – Published about the effects of IP-PA1 on atopic dermatitis, improvement of hyperlipidaemia, prevention of gastric ulcer and decreasing of LDL cholesterol.
- 1997 – Dr. Charles Janeway in US discovered IP-PA1 receptors that appeared in macrophage. As a result, revealed the macrophage activation mechanism of IP-PA1 and research on natural immunity progressed dramatically. In 2011, three researchers who contributed to the clarification of natural immunity received the Nobel Prize in Physiology and Medicine.
- 2006 – IP-PA1 has launched to be a functional ingredient.
- 2010 – The Innate Immunity Control Technology Research Association (certified to Present by the Ministry of Economy, Trade and Industry Japan) was established to conduct R&D through industry-academia cooperation for various application of IP-PA1.

CIITRA: Control of Innate Immunity Technology Research Association.



SHIRUTO

VITAMINS OF IMMUNITY

免疫ビタミン

- Unique and highly effective active ingredient IP-PA1 and synergistic nutrients (vitamin C, beta-glucan)
- Clinically proven to enhance immunity
- Natural blueberry flavour
- Individually packed, for convenience
- All natural botanical ingredients, suitable for vegetarians

Quality Certification

- **GMP Certified** – Strict and high standard manufacturing process
- **HALAL Certified** – Muslims friendly
- **Natural botanical ingredients** – Vegetarians friendly

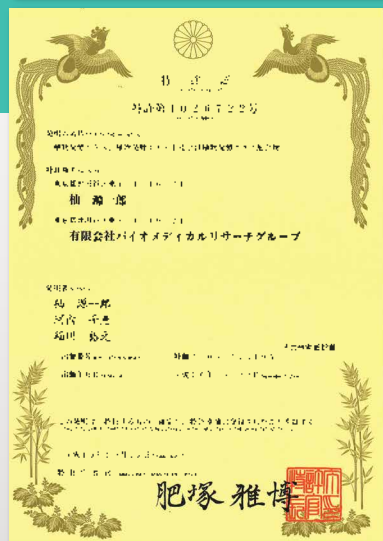
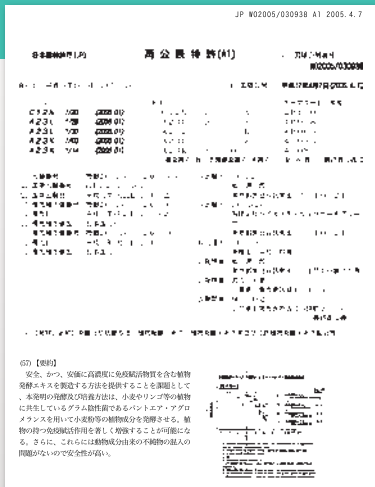
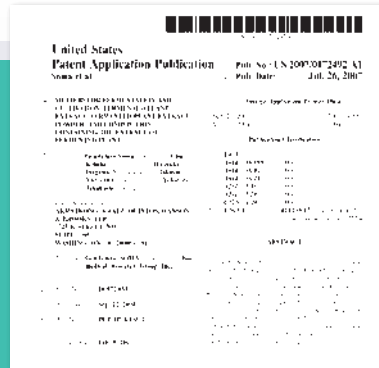


Japan Health Food & Nutrition Food Association



- **Unique cultivation and fermentation processes have been patented in more than 10 countries**

Japan, USA, Australia, Europe, Canada, China, Korea, India, Singapore, Israel, Taiwan, Russia, etc.



The Benefits of a Healthy Immune System



Kids

- Help to improve immunity
- Reduce the frequency of illness

Adult

- Help to reduce allergies
- Speed up the recovery time



Elderly

- Help to improve immunity
- Help to reduce infections

Recommended Consumption

Age	Dosage
Children	1 sachet daily
Adult	2 – 4 sachets daily

It is recommended to take SHIRUTO orally or mix with water (less than 40°C).

SHIRUTO

VITAMINS OF IMMUNITY

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This product is not intended to diagnose, treat, cure or prevent any disease. Results may vary individually, please seek medical advises if necessary.