



Innate Immune Support

NPN 80089932



What Is It?

Innate Immune Support contains a blend of astragalus, andrographis, and reishi mushroom extracts to support innate immunity by promoting healthy cellular immune response.

Special Features

- Part of the PureResponse™ Immune Protocol for healthy immune balance and function
- Clinically researched andrographis extract
- Astragalus extract with a variety of active constituents, including saponins and flavonoids, that contribute to its long tradition of immune and cytokine balance support
- Highly purified beta 1,3/1,6-D glucan derived from reishi mushroom cultured mycelia extract, combined with reishi fruiting body extract to ensure powered and well-rounded support

Uses For Innate Immune Support

Natural Defence and Immune Support: The PureResponse™ formula Innate Immune Support is designed to promote cell-mediated immune response, including NK cell and macrophage activity. Astragalus contains a variety of active constituents, including saponins and flavonoids, that contribute to its long tradition of use in Herbal Medicine to provide immune and cytokine balance support. *In vitro* and animal studies suggest that astragalus supports NK cell activity, as well as IgA and IgG levels in serum, key antibodies that play a critical role in mucosal immune defence. Reishi mushroom fruiting body and cultured mycelia extracts offer a rich source of polysaccharides to promote cell-mediated immunity. This formula also includes a clinically researched extract of andrographis, an herb primarily known for its bioactive compound andrographolide and other diterpene lactones.

What Is The Source?

AP-Bio™ andrographis extract is derived from *Andrographis paniculata* leaf. Reishi mushrooms are derived from both the *Ganoderma lucidum* fruiting body and cultured mycelia. Astragalus extract is derived from *Astragalus membranaceus* root.

Recommended Dose

Adults: Take 1 capsule daily or as directed by a healthcare practitioner. Take with a meal to avoid digestive upset.

Warning

Do not use if you are pregnant. Consult a healthcare practitioner prior to use if you are breastfeeding, taking immunosuppressants, anticoagulant or antiplatelet medications, or have a bleeding disorder, hypotension, excess gastric acidity, a duodenal ulcer, oesophageal reflux, infertility issues or an auto-immune disorder. Stop use if hypersensitivity occurs.

Innate Immune Support

Medicinal Ingredients (per capsule)					
Astragalus (<i>Astragalus membranaceus</i>).....					
Root Extract (16:1) (3,840 mg dried equivalent)					
AP-Bio™ Andrographis (<i>Andrographis paniculata</i>).....					
Leaf Extract (13-15:1) (2,600-3,000 mg dried equivalent)					
Reishi (<i>Ganoderma lucidum</i>) Cultured Mycelia Extract.....					
(providing 70% beta-1,3/1,6-glucan)					
Reishi (<i>Ganoderma lucidum</i>) Fruiting Body Extract (4:1)					
(400 mg dried equivalent)					
Non-Medicinal Ingredients: Vegetarian capsule (hypromellose, water), cellulose.					

AP-Bio™ is a registered trademark of Natural Remedies PVT. LTD.

(continued)

 gluten-free  non-gmo  vegan  vegetarian formula  capsule size

This product may not be right for everyone. Always read and follow the label. For more information please contact us.

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Identifying the Primary Drivers of Immune Balance

PureResponse™ addresses the interrelationships between elements of the immune system, the environment and other biological processes, as overviewed in the roadmap on the next page (Figure 1). Although these basic connections are the same for all patients, each patient's manifestation is unique, with a greater emphasis on some elements compared to others.

Navigating the Roadmap

The health of organs, connective tissue and other structures in the body is maintained, in part, by a set of immunological feedback loops that connect cell-signaling cytokines, stress mediators and T-cell populations, with far-reaching effects.

- Cytokine activation and self-tissue response (large red circles) activate each other. Cytokines are chemical messengers that allow the immune system to communicate. Self-tissue response occurs when the immune system mistakes tissue in the body for an immunological threat, causing an immune response.
- Metabolic, hormonal, physiological and environmental factors (orange boxes) can influence cytokines. Cytokine balance is important not only for directing the immune response, but also for its resolution.
- Stress and intestinal bacteria (smaller red circles) also influence cytokine activity. Persistent or excess cytokine activation may diminish innate immunity and the number of Th1 cells. Reductions in these key immune defences can influence microorganism populations throughout the body. This is often exemplified by altered intestinal microbial balance. In turn, alterations in microbial balance can drive further cytokine activation.
- Th1/Th2 cell populations (blue circles) are deeply involved in immune system balance, natural defences and tissue health. Higher Th1 status supports cell-mediated immune defences and helps maintain innate immunity. Lower Th2 status helps to keep Th1 status strong, while maintaining sinus and respiratory tolerance to environmental particles.
- Th17 status (purple stars) is affected by Th1/Th2 balance and is involved in healthy self-tissue response.

