



Ortho Molecular Products

SBI Protect

Serum-derived bovine immunoglobulins

Exclusive



The History of Immunoglobulins in Medicine



1908

Paul Ehrlich, "Father of Immunology," wins the Nobel Prize for proving antibodies can be transferred through milk



1961

Albert Sabin invents first oral polio vaccine using antibodies from bovine colostrum



1990s

Colostrum becomes widely available as a dietary supplement



2011

Entera Health begins large-scale production of isolated, pure, hypoallergenic IgG concentrate



2013

Serum-derived bovine immunoglobulins are introduced as medical food

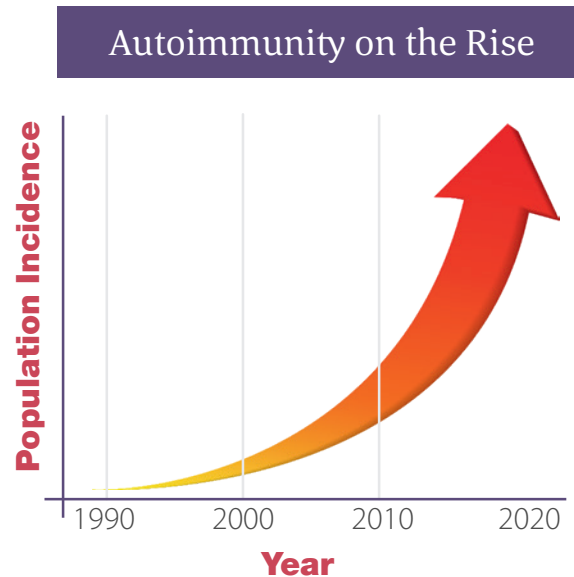


2018

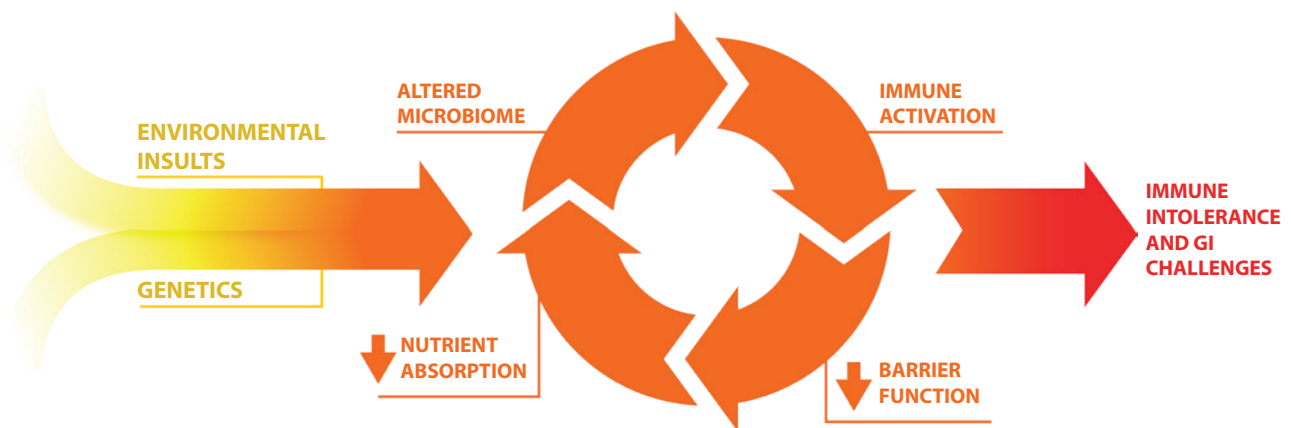
Ortho Molecular Products brings SBI to market as a dietary supplement in an exclusive partnership with Entera Health

Immune Trends and the Importance of Immunoglobulins

Autoimmunity is on the rise globally. The discovery that the gut barrier plays a key role in immune health fueled the search to strengthen it. In that search, researchers found that the binding capabilities of immunoglobulins have a positive effect on gut barrier function.^{1,2} Immunoglobulins bind microbes and toxins in the GI tract and eliminate them prior to immune system activation. As these unwanted triggers are removed, it resets immune tolerance and builds a stronger barrier to the external environment.^{1,2}



The Cycle of Immune Intolerance

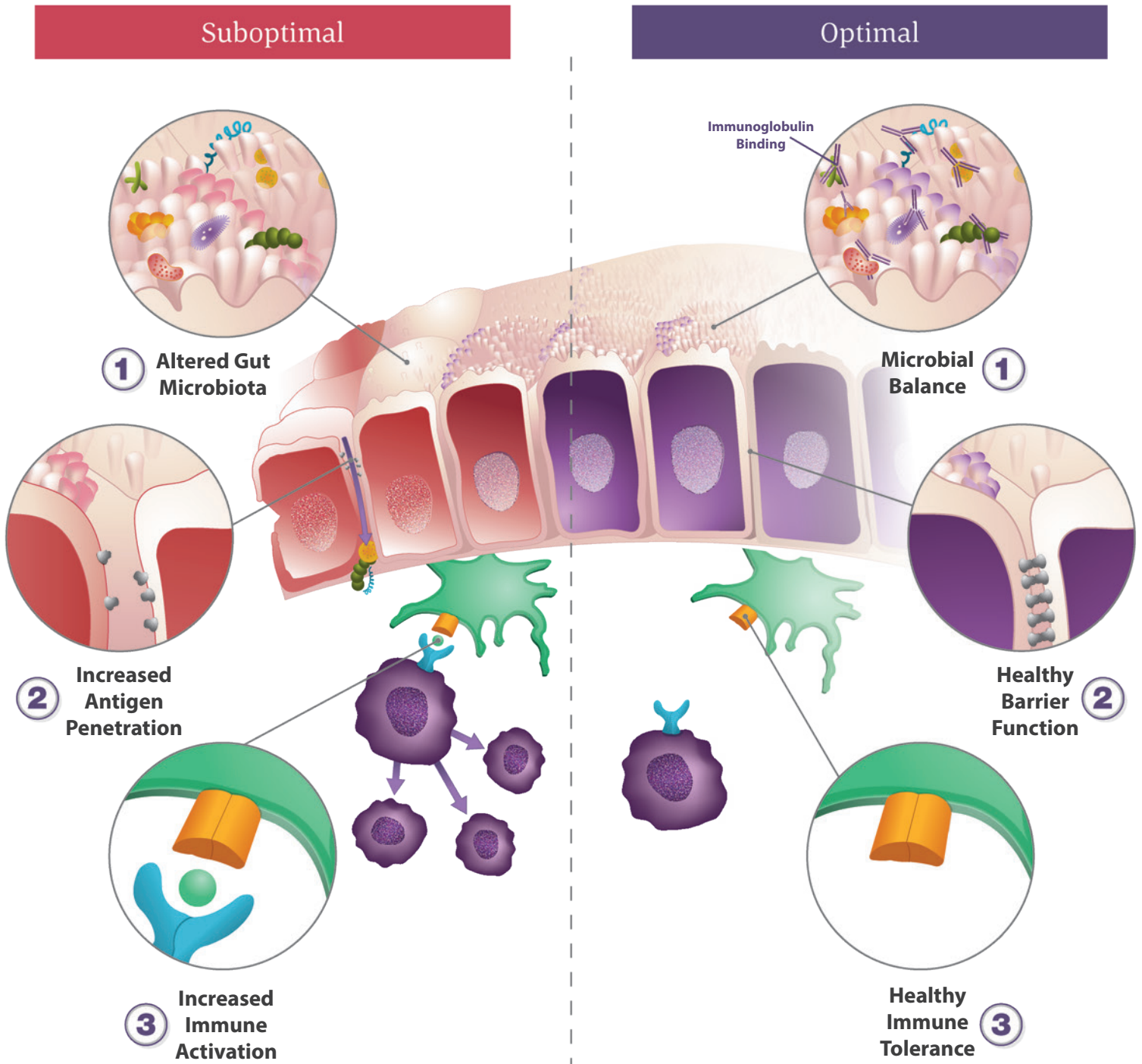


1. Asmuth DM, Ma ZM, Albanese A, Sandler NG, Devaraj S, Knight TH, et al. Oral Serum-Derived Bovine Immunoglobulin Improves Duodenal Immune Reconstitution and Absorption Function in Patients with HIV Enteropathy. *Aids*. 2013;27:2207-17.

2. Perez-Bosque A, Miro L, Maijo M, Polo J, Campbell J, Russell L, et al. Dietary intervention with serum-derived bovine immunoglobulins protects barrier function in a mouse model of colitis. *American journal of physiology Gastrointestinal and liver physiology*. 2015;308(12):G1012-8.

Resetting Immune Tolerance

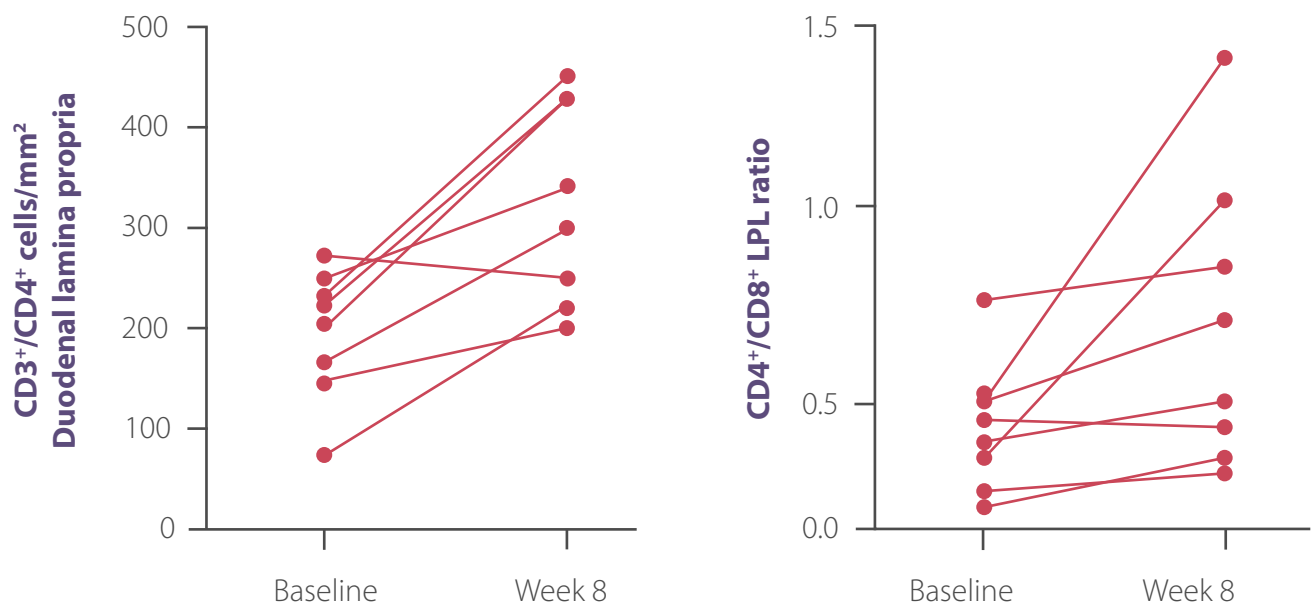
Eighty percent of our immune system resides in the gut, making mucosal immunity one of the most important factors in determining immune health. The mucosal barrier is at the center of interactions between the immune system and the outside world. Breaches in the gut barrier present a potent immune challenge.



Serum-derived Bovine Immunoglobulins: Studies in Mucosal Immunity

Decreased mucosal immunity is an underlying cause of many health challenges, and emerging research highlights the importance of targeted immunoglobulin therapies to address barrier function in the GI tract. In patients with immune challenges, oral consumption of concentrated immunoglobulins has been shown to significantly enhance immunity. Studies show immunoglobulins binding antigens in the GI tract can reduce immune burden and support normal repair of the mucosal lining, strengthen passive immunity, and protect the body by helping to maintain microbial balance.¹

Immune Reconstitution Within the GI Tract



After only eight weeks on serum-derived bovine immunoglobulins, study participants showed an increase in both CD4⁺ cell counts in the duodenum and CD4⁺/CD8⁺ ratios, which are strong indicators of healthy immune tolerance in the GI tract.²

1. Thapa, B.R. Health Factors in Colostrum. *Indian J Pediatr* 2005; 72(7): 579-581.

2. Asmuth DM, Ma ZM, Albanese A, Sandler NG, Devaraj S, Knight TH, et al. Oral Serum-Derived Bovine Immunoglobulin Improves Duodenal Immune Reconstitution and Absorption Function in Patients with HIV Enteropathy. *Aids*. 2013;27:2207-17.

SBI Protect

- ✓ Highest concentration immunoglobulin (IgG) delivery available
- ✓ 43 human studies proving efficacy and safety for a wide variety of gastrointestinal and immune challenges
- ✓ Broad-spectrum microbial and toxin binding capabilities
- ✓ The only serum-derived bovine immunoglobulin concentrate available as a dietary supplement
- ✓ The only dairy-free source of IgG available as a dietary supplement



Supplement Facts		
Serving Size 4 Capsules Servings Per Container 30		
4 capsules contain	Amount Per Serving	% Daily Value
Calories	10	
Protein	2 g	4%*
Serum-Derived Bovine Immunoglobulin Concentrate (ImmunoLin®)	2.42 g	**
Immunoglobulin G (IgG)	1.15 g	**

* Percent Daily Values are based on a 2,000 calorie diet.
** Daily Value not established

SBI Protect Capsules
ID# 265120 120 Capsules
SUGGESTED USE: 4 capsules per day or as recommended by your health care professional.

Supplement Facts		
Serving Size 1 Scoop (2.5 grams) Servings Per Container About 30/60		
1 scoop contains	Amount Per Serving	% Daily Value
Calories	10	
Protein	2 g	4%*
Serum-Derived Bovine Immunoglobulin Concentrate (ImmunoLin®)	2.5 g	**
Immunoglobulin G (IgG)	1.2 g	**

* Percent Daily Values are based on a 2,000 calorie diet.
** Daily Value not established

SBI Protect Powder
ID# 266030 75 Grams (2.6 oz)
ID# 266060 150 Grams (5.3 oz)
SUGGESTED USE: 1 scoop in 4 ounces of water, or the beverage of your choice, two times daily or as recommended by your health care professional.

SBI Protect Comparison At-A-Glance

	SBI Protect 120ct	SBI Protect Powder 30svg	SBI Protect Powder 60svg
Patient Profile	Prefers capsules	Prefers powder	Prefers powder Allows higher dosing or longer duration
Suggested Serving	4 capsules	1-2 scoops per day	3+ scoops per day or longer duration
Advantage	<ul style="list-style-type: none"> • Convenient • Travels well 	<ul style="list-style-type: none"> • Mixes well in smoothies 	<ul style="list-style-type: none"> • Mixes well in smoothies

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

LT-SLSH-053-B 0416018

