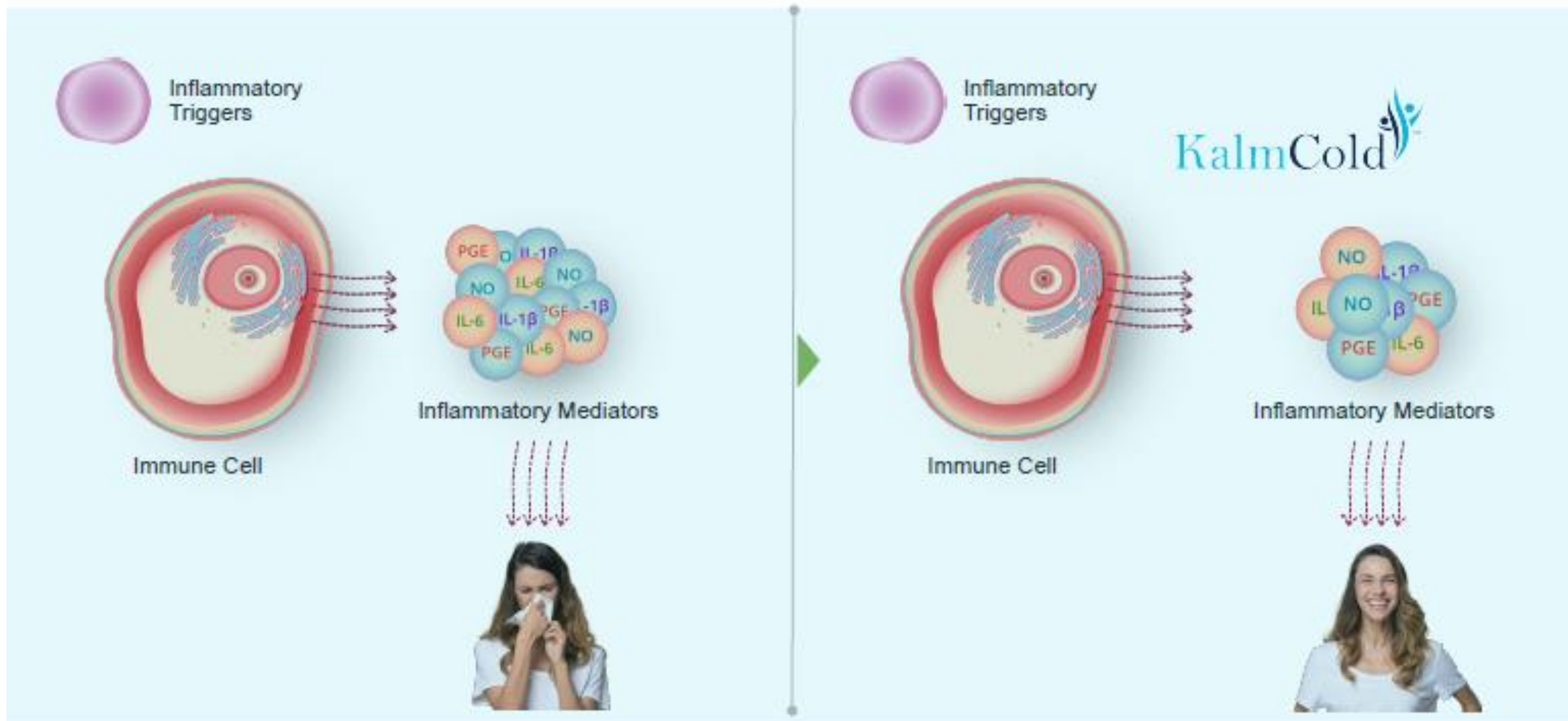


7 Unique bioactive constituents of KalmCold®: Their actions on immunity and inflammation

Actives of KalmCold®	Mechanism	Effect
Andrographolide	Nitric oxide, iNOS, IL-1 β , IL-6, TXB ₂ , PGE ₂ & IL-5	Healthy inflammatory and Immuno-stimulation
Isoandrographolide	Nitric oxide, IL-1 β , IL-6, TXB ₂ & PGE ₂	
Neoandrographolide	Nitric oxide, PGE ₂ , p38 mitogen activated protein kinase	
Andrograpanin	TNF-alpha, IL-6 and IL-12p70 and p38 mitogen activated protein kinase	
Skullcapflavone-I	Nitric oxide, IL-6, TXB ₂ , PGE ₂ & LTB ₄	
7-O-methylwogonin	Nitric oxide, IL-1 β , PGE ₂ , LTB ₄ & histamine	

KalmCold[®] reduces inflammatory mediators



Clinical Outcomes- Immuno-stimulatory activity

AP-Bio® improves immunity evident from:

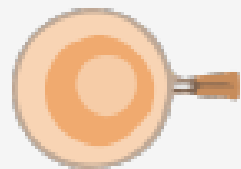
Increased INF gamma | Increased IL-4 | Increased CD4+ and CD3+ | Increased absolute lymphocytes count | Decreased IL-2



INF Gamma



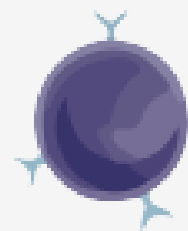
Interleukin 4



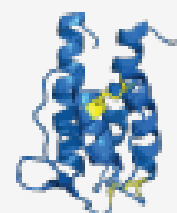
CD4+ helper cells



CD3+ cells



Lymphocytes

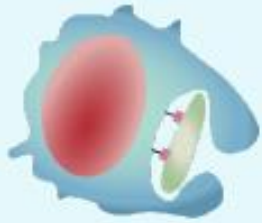


Interleukin 2

KalmCold® increases the activity of phagocytes and NK cells

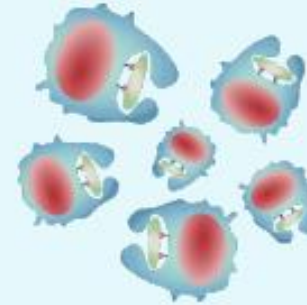
NEW!

Phagocytes

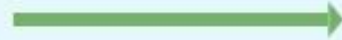


Phagocytosis

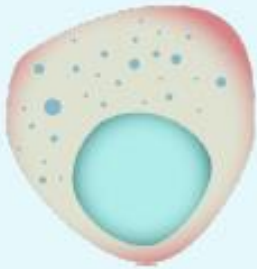
Increases the activity of phagocytes



KalmCold

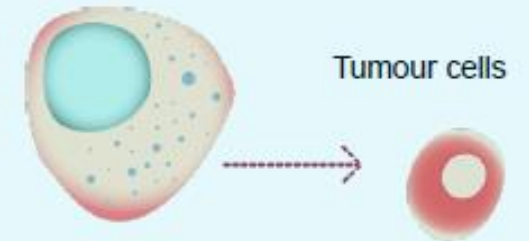


Natural Killer Cells



Natural Killer Cells

Increases the activity of NK cells



Destroys tumour cells