

# KappArest

## Nutrition Support For Inflammation & Pain

Pain is one of the many things we humans share. And though pain may be subjective (we cannot judge each others levels of it), inflammation is not. Inflammation is our body's response to injury, real or perceived.

The inflammatory cascade initiated by an environmental trigger can lead to the activation of NF-kappaB (nuclear factor kappa-light-chain-enhancer of activated B cells). NF-kappaB is a protein complex that acts as an intracellular 'amplifier' that promotes the production of the direct mediators of inflammation such as cytokines, prostaglandins, leukotrienes, nitric oxide, and free radicals. If NF-kappaB is not inhibited, it becomes free to enter the nucleus of cells and bind with the DNA, subsequently activating genes which encode for the increased production of further inflammatory mediators. When left unchecked, this can lead to the development of health issues such as pain, inflammation, cardiovascular degeneration, insulin resistance, autoimmune disorders, free radical pathology, and neurodegeneration. Sadly, inflammation has become overwhelmingly prevalent, largely in part to the pro-inflammatory nature of the Standard American Diet (SAD) and the nutritional deficiencies resulting from it, stress-laden lifestyles, and other constant environmental insults.

Formulated in conjunction with Dr. Alex Vasquez, KappArest™ contains a proprietary blend of curcuminoids (turmeric extract), Boswellia serrata extract, propolis, green tea extract, ginger extract, rosemary extract, celery seed extract, resveratrol,

alpha-lipoic acid, Phytolens, and Piper nigrum. KappArest™ was designed, and has been shown to supply targeted nutrition that inhibits the production of NF-kappaB, and has been documented to have a positive impact on the production of inflammatory mediators. KappArest™ has also demonstrated its ability to modulate inflammatory responses. Optimal EFAs® and Bio-D-Mulsion Forte® are two additional products available from Biotics Research Corporation that are commonly used in conjunction with KappArest™ for their synergistic action in downregulating pro-inflammatory mediators that impact systemic inflammation.



Designed to support the reduction of pro-inflammatory mediators that impact systemic inflammation.