

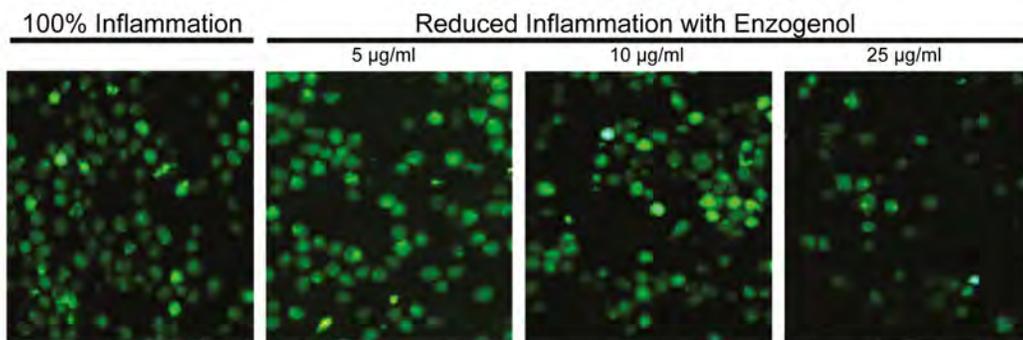
ENZOGENOL[®] – Natural Help for Healthier Arteries

New research from Hallym University in Korea, suggests that Enzogenol[®], a natural polyphenol extract from New Zealand radiata pine bark, could have significant benefits in prevention of atherosclerosis by reducing associated inflammatory events, and thereby improving blood vessel health.

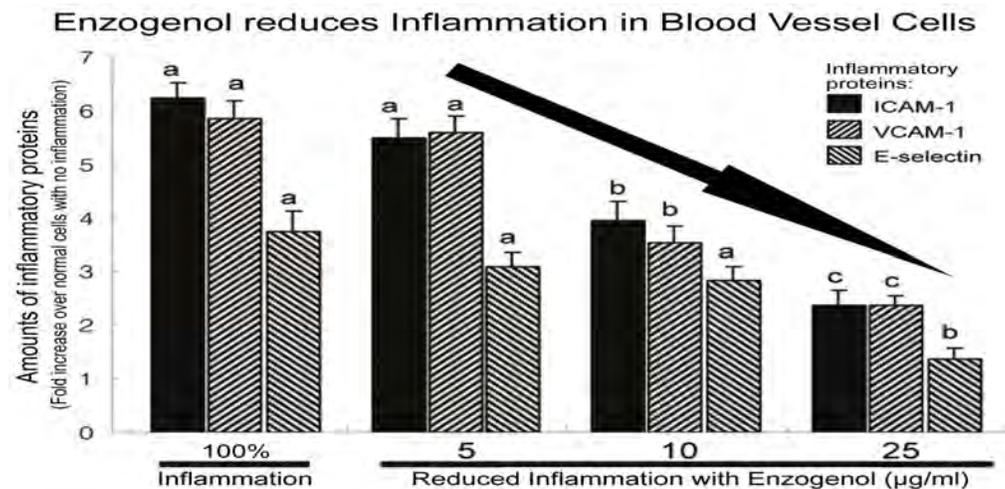
Arteriosclerosis is the buildup of plaque in the arteries. Over time the plaque hardens, narrowing the blood vessel's capacity to supply oxygen rich blood to the organs in your body. Arteriosclerosis can affect any artery in the body including the arteries in your heart, brain, legs, arms and pelvis.

The new research confirms Enzogenol's potential as a natural therapeutic with anti-inflammatory and anti-atherogenic effects.

Professor Young-Hee Kang from the Department of Food and Nutrition, Hallym University, Chuncheon, Korea investigated the effects of Enzogenol on inflammatory processes that initiate atherosclerosis, which often advances to downstream cardiovascular diseases such as heart attack and stroke.



Human lymphocytes (blood cells) adhere to the blood vessel wall in an early inflammatory step of atherosclerosis. Shown here are lymphocytes attached to the cell type that makes up the vessel wall (endothelial cells) due to induced inflammation. The number of cells with green stain show the extend of harmful cell adhesion. With increasing amounts of Enzogenol inflammation and adhesion is significantly reduced.



Results from cell culture experiments showed that Enzogenol inhibits key events in the atherosclerotic process by modulating monocyte adhesion and transmigration. These are events that take place inside our blood vessels when atherosclerotic plaques are formed which leads to the narrowing of arteries and results in a high risk of heart disease and stroke.

Previous published research has shown Enzogenol's potential to improve endothelial function, lower blood pressure and improve blood plasma viscosity. Professor Kang's research adds to the body of research which suggests that Enzogenol can lower cardiovascular risk factors. Further information is available at www.enzogenol.com

Reference:

Kim, D. S.;Kim, M. S.;Kang, S. W.;Sung, H. Y.;Kang, Y. H. Pine Bark Extract Enzogenol Attenuated Tumor Necrosis Factor-alpha-Induced Endothelial Cell Adhesion and Monocyte Transmigration. Journal of Agricultural and Food Chemistry; 2010, electronic publication ahead of print. ([click here for pdf](#))