

How CBD Works with Your Endocannabinoid System

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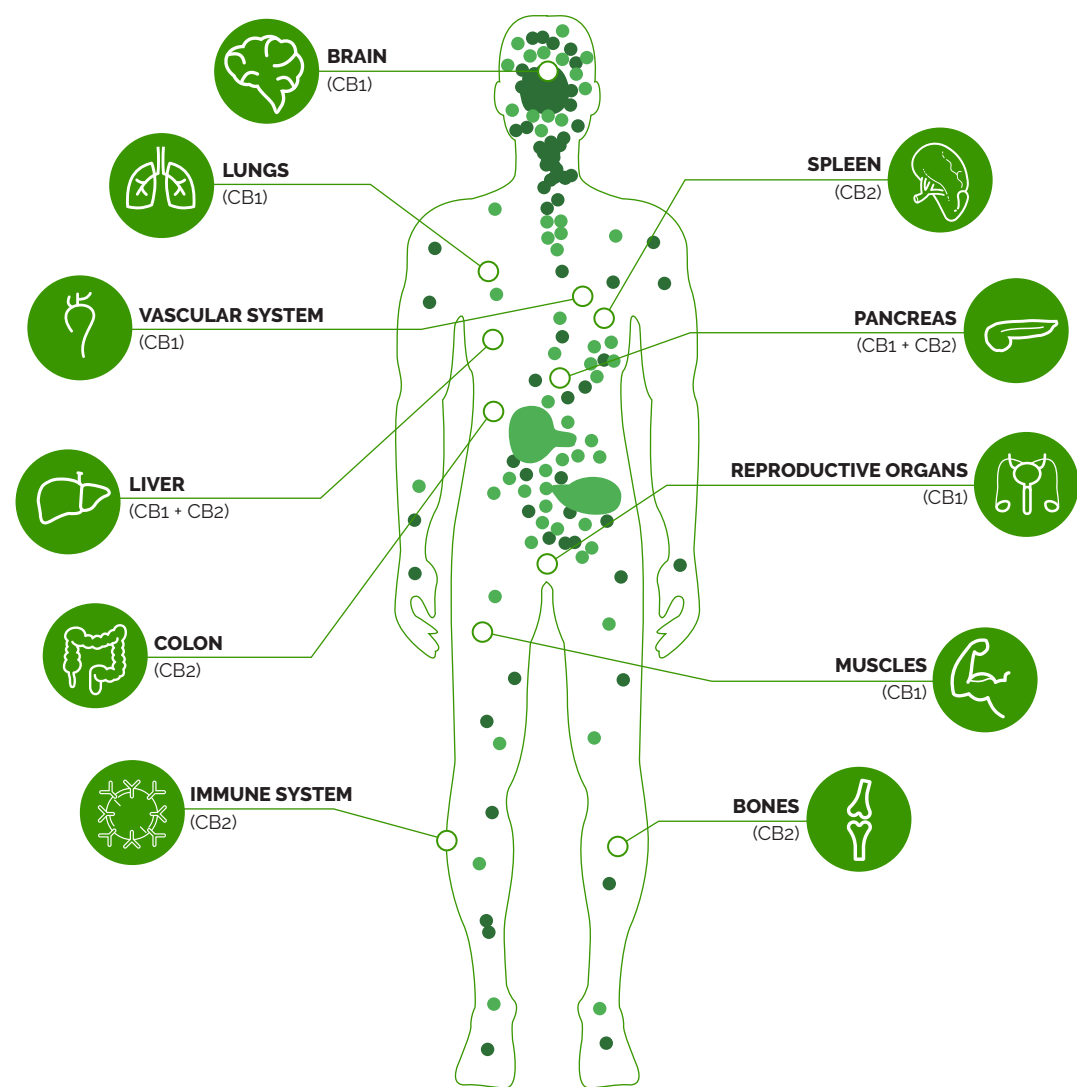


Illustration above shows the network of CB1 and CB2 receptors through various systems of the human body

Introduction to the Endocannabinoid System (ECS)

The Endocannabinoid System is a network of receptors (known as CB1 and CB2 receptors) naturally occurring in the bodies of humans and most mammals.

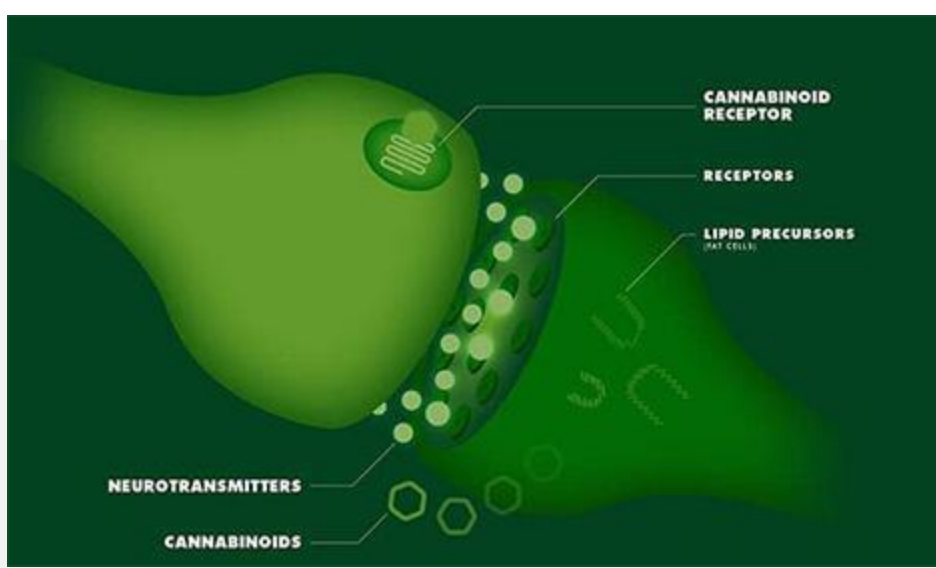
Due to their molecular structure, these receptors can activate and bond with the receptors in cannabinoids like Cannabidiol (CBD), Cannabigerol (CBG), and Tetrahydrocannabinol (THC)

The interaction between the two receptors is the catalyst behind the many benefits delivered by CBD and other Cannabis compounds

How Does CBD Work with the ECS?

Research shows that when plant-based cannabinoids (“phytocannabinoids”) enter the body, they can interact with receptors in the ECS (“endocannabinoids”)

Because the endocannabinoids are found throughout core systems of the body (such as the immune system, the nervous system, and the vascular system), studies indicate that they play a crucial role in maintaining these systems, and that when engaged with phytocannabinoids, their functions are enhanced.



How CBD Works with the Endocannabinoid System To Benefit the Body

Relieves mental disorders such as anxiety, stress, and depression

Can promote heart health by reducing blood pressure, reducing inflammation and cell death

Can help defend the body against neurodegenerative diseases such as Alzheimers and Multiple Sclerosis

Prevents the growth and spread of cancerous cells and carcinogens

Relieves pain by reducing inflammation and managing our mind's perception of pain

Prevents broken bones and promotes bone growth and repair

History and Discovery of the Endocannabinoid System



1988

Scientists discover the first endocannabinoid receptor in the brain of a rat. It was found in areas of the brain involved in core mental processes. Interestingly, the receptor exhibited a unique bond with the cannabinoid, THC.

Five years later, a second cannabinoid receptor was concentrated in the immune system and peripheral tissues of the body. Like the first receptor, it exhibited the same unique bond with THC.



1993



1995

Scientists discover that the receptors, now deemed the CB1 and CB2 receptors, were naturally occurring in not only rats, but thousands of other species—including humans

Today, this system is known as the Endocannabinoid System, and the interactions between cannabinoids like CBD and THC with the ECS, has been linked to countless of health benefits, including anxiety relief, stress relief, pain relief, and more.



Today

What's in Store for The Future of Cannabinoids?

When the researchers discovered the Endocannabinoid System in 1995, they revealed one profound truth – **our body is designed to work with cannabinoids like CBD.**

It's no coincidence that we have an Endocannabinoids System in our body, and understanding it may be the key to unlocking the next level of human wellness.

With shifts in politics and technology advancements, a bright, green future could be right around the corner.