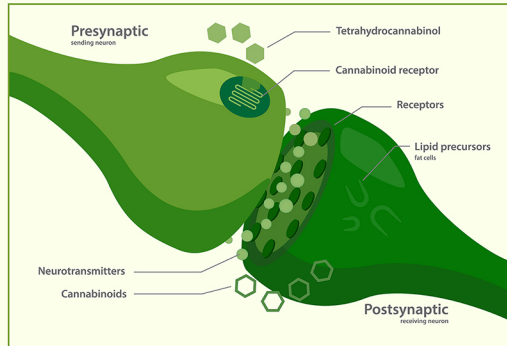


# HUMAN CBD RECEPTOR CHART

YOUR BODY NATURALLY HAS CB1 AND CB2 RECEPTORS WHICH ARE LOCATED THROUGHOUT THE HUMAN BODY. STUDIES SHOW THAT CBD ACTS MODIFIER TO THE CB1 AND CB2 RECEPTORS WHICH IN-RETURN HELPSTHE CB1 AND CB2 RECEPTORS TO FIGHT OFF INFLAMMATION.

## The Endocannabinoid System

CBD, CBN and THC fit like a lock and key into existing receptors. These receptors are part of the endocannabinoid system which impact physiological processes affecting pain modulation, and appetite plus anti-inflammatory effectsand other immune system responses. The endocannabinoid system comprises two types of receptors. CB1 and CB2, which serve distinct functions in animal health and well-being.



CB1 receptors are primarily found in the brain and central nervous system, and to a lesser extent in other tissues



CBD does not directly fit CB1 or CB2 receptors but has powerful indirect effects still being studied.



CB2 receptors are mostly in the pereheral organs especially cells associated with the immune system

## CB1 RECEPTORS ARE LOCATED IN CELLS OF THE :

- Brain/CNS/Spinal cord (CB1)**
- Cortical regions (CB1):** (neocortex, pyriform cortex, hippocampus, amygdala)
- Cerebellum (CB1):**
- Brainstem (CB1):**
- Basal ganglia (CB1):** globus pallidus, substantia nigra pars, reticulata
- Olfactory bulb (CB1)**
- Thalamus (CB1)**
- Hypothalamus (endocrine-grain link CB1)**
- Pituitar (CB1)**
- Thyroid (endocrine gland (CB1))**
- Upper airways (of mammals) (CB1)**
- Liver (CB1):** Kupffer cells (acrophage immune cells), hepatocytes (liver cell), hepatic stellate cells (fat storage cell)
- Adrenals (endocrine gland (CB1))**
- Ovaries (gonads and endcrine gland (CB1))**
- Uterus (myometrium (CB1))**
- Prostate (CB1):** epithelial and smooth muscle cells
- Testes (gonads and endocrine gland (CB1):** leydig cells; sperm cells

## CB1AND CB2 RECEPTORS ARE LOCATED IN CELLS OF THE :

- Eye (CB1 and CB2)** retinal pigment epithelial/RPE cells
- Heart (CB1 and CB2)**
- Stomach (CB1 and CB2)**
- Pancreas (CB1 and CB2)**
- Digestive tract (CB1 and CB2)**
- Bone (CB1 and CB2)**
- Non-CB1 and non-CB2 are located in cells of the :**
- Blood vessels:** epithelial cells of arterial blood cessel (non-CB1 and non-CB2)
- CB2 receptors are located in cells of the Lymphatic and immune system**
- Spleen (CB2)
- Thymus (CB2)
- Tonsis (CB2)
- Blood (CB2) lymphocytes
- Non-immune cell CB@ receptors are found in the Skin** keratinocytes



Cannabinol



Tetrahydrocannavarin



Tetrahydrocannabinol



Cannabidiol



Cannabigerol



Cannabigerol