Cannabinoid Receptor (CB1) (H6) rabbit mAb

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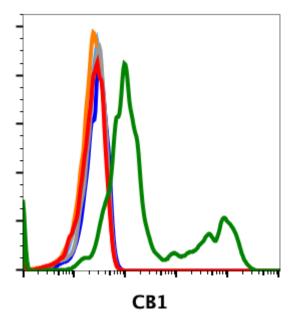
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Applications	Detection	Clonality	Isotype
Flow Cytometry	Anti-Rabbit IgG	Monoclonal	Rabbit IgGk
Format:	Unconjugated		
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.		
Formulation:	1X PBS, 0.025% NaN3, 0.2% BSA		
Preparation:	Protein A+G		
Reactivity:	Human		
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.		
Immunogen:	Synthetic peptide		
Description:	The CB1 cannabinoid receptor was discovered in 1988 (1) and subsequently cloned (2) on the basis of its responsiveness to $(-)$ - Δ^9 -tetrahydrocannabinol (Δ^9 -THC). Δ^9 -THC is the primary psychoactive constituent in <i>Cannabis</i> (marijuana), hence the name "cannabinoid" receptor was coined. CB1 is a member of the G-protein coupled receptor (GPCR) family. An arachidonic acid metabolite, N-arachidonylethanolamide and 2-arachidonoylglycerol (2-AG) was found to activated CB1 receptor (3). The second cannabinoid receptor (CB2) was isolated from differentiated myeloid cells. The CB2 receptor shares 44% amino acid homology with CB1, and a distinct yet similar binding profile, thus representing a receptor subtype.		
	The CB1 receptor is one of the most expressed in the basal ganglia nucle The CB1 distribution within the central the control of motor function, cognit are primarily localized to the terminate they mediate inhibition of neurotran higher levels on GABAergic than glut CB1 receptors are also present on as lower levels than on neurons; but whe synaptic transmission and plasticity peripheral organs with immune functions, and leukocytes, as well as the suggested that CB2 receptors were	ei, hippocampus, cortex are ral nervous system correlation and memory, and anals of central and periphers smitter release (7). CB1 retamatergic neurons in variatrocytes, where they are nere they have been show (8,9). The CB2 receptor is tion, including macrophaghe lung and testes (10). Ir	and cerebellum (5,6). The stee with its role in a ligesia. CB1 receptors and neurons, where exceptors are found in a light in the modulate of expressed in the stee stee stee stee in the stee stee stee in the stee stee in the stee is expressed in



References:

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Flow cytometric analysis of HEK293 cells transfected with CB1 (green) or untransfected (red) using CB1-H6 antibody at 0.1 ug/mL (Cat. #2521). Isotype control antibody tested under identical conditions does not show staining to transfected (orange) or untransfected (gray)

