

# Human Cannabinoid R2/CB2/CNR2 Alexa Fluor® 750-conjugated Antibody

Recombinant Monoclonal Mouse IgG<sub>2B</sub> Clone # 352110R

Catalog Number: FAB36551RS

100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Cannabinoid R2/CB2/CNR2 in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Mouse IgG <sub>2B</sub> Clone # 352110R
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human embryonic kidney cell line HEK293-derived transfected with human Cannabinoid R2/CB2/CNR2 Met1-Cys360 Accession # NP_001832
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Human Cannabinoid R2/CB2/CNR2 and eGFP

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Cannabinoid R2 (Cannabinoid Receptor 2), also called CB2 or CNR2, is a 7TM protein that belongs to the family of G protein-coupled receptors, class A. Cannabinoid R2 is expressed in the periphery, notably by hematopoietic cells, in contrast to Cannabinoid R1 which is expressed predominantly in the central nervous system and gut. Cannabinoid R2 on lymphocytes and macrophages binds cannabinoids and modulates cytokine secretion. With the exception of their divergent C-terminal tails, human Cannabinoid R2 shares 82% amino acid sequence identity with mouse and rat Cannabinoid R2.

## PRODUCT SPECIFIC NOTICES

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