

Mouse Cannabinoid Receptor 2, Macrophage (CNR2) ELISA Kit | CNR2 elisa kit

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CATALOG #
AAA68530

REACTIVITY
Mouse

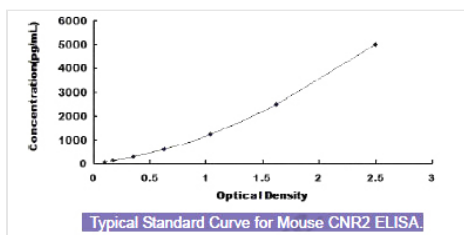
PRODUCT SYNONYMS

Cannabinoid Receptor 2; Macrophage (CNR2); Mouse Cannabinoid Receptor 2; Macrophage (CNR2) ELISA Kit; CB2; CX5; CNR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CNR2. No significant cross-reactivity or interference between CNR2 and analogues was observed.
Sequence Length	347
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.12-5000pg/mL
Sensitivity	<30pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CNR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CNR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNR2 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CNR2 in mouse tissue homogenates, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CNR2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CNR2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CNR2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CNR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	765826164
NCBI GeneID	12802
NCBI Accession #	NP_001292207.1
NCBI GenBank Nucleotide #	NM_001305278.1
UniProt Accession #	P47936; Q544H5
Molecular Weight	38,213 Da
NCBI Official Full Name	cannabinoid receptor 2
NCBI Official Synonym Full Names	cannabinoid receptor 2 (macrophage)
NCBI Official Symbol	Cnr2
NCBI Official Synonym Symbols	CB2; CB-2; CB2-R
NCBI Protein Information	cannabinoid receptor 2
UniProt Protein Name	Cannabinoid receptor 2
UniProt Gene Name	Cnr2
UniProt Synonym Gene Names	CB-2; CB2; mCB2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cannabinoid-receptor-2-macrophage-cnr2/68530>