

Canine Cannabinoid Receptor 1, Brain ELISA Kit | CNR1 elisa kit

Canine Cannabinoid Receptor 1, Brain ELISA Kit

CATALOG #
AAA92487

REACTIVITY
Canine

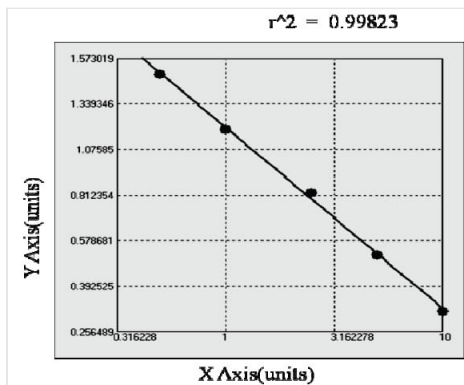
PRODUCT SYNONYMS

Cannabinoid Receptor 1; Brain; Canine Cannabinoid Receptor 1; Brain ELISA Kit; CNR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CNR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CNR1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNR1 elisa kit

Principle of the assay: CNR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNR1 antibody and an CNR1-HRP conjugate. The assay sample and buffer are incubated together with CNR1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNR1 concentration since CNR1 from samples and CNR1-HRP conjugate compete for the anti-CNR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNR1 from the sample, fewer sites are left to bind CNR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNR1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	237681175
NCBI GeneID	1268
NCBI Accession #	NP_001153731.1
NCBI GenBank Nucleotide #	NM_001160259.1
Molecular Weight	49,060 Da
NCBI Official Full Name	cannabinoid receptor 1 isoform a
NCBI Official Synonym Full Names	cannabinoid receptor 1 (brain)
NCBI Official Symbol	CNR1
NCBI Official Synonym Symbols	CB1; CNR; CB-R; CB1A; CB1R; CANN6; CB1K5
NCBI Protein Information	cannabinoid receptor 1; central cannabinoid receptor
UniProt Protein Name	Cannabinoid receptor 1
UniProt Gene Name	CNR1
UniProt Synonym Gene Names	CNR; CB-R; CB1
UniProt Entry Name	CNR1_HUMAN

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.