

Rat Calprotectin ELISA Kit | CALP elisa kit

Rat Calprotectin, CALP ELISA Kit

CATALOG #
AAA113047

REACTIVITY
Rat

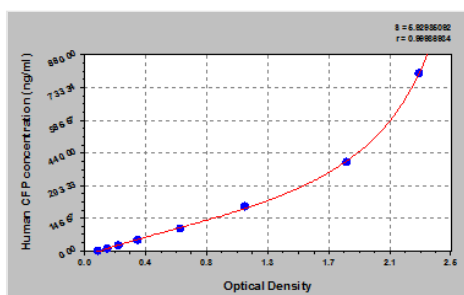
PRODUCT SYNONYMS

Calprotectin; Rat Calprotectin; CALP ELISA Kit; Rat Calprotectin (CALP) ELISA kit; CALP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat CALP. No significant cross-reactivity or interference between rat CALP and analogues was observed.
Sequence Length	250
Samples	Serum, plasma, cell culture supernates
Assay Type	Sandwich
Detection Range	62.5 ng/ml -4000 ng/ml.
Sensitivity	The minimum detectable dose of rat CALP is typically less than 15.6 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CALP elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CALP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CALP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CALP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CALP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q99MG9
Molecular Weight	26,267 Da
NCBI Official Full Name	calsenilin-like protein
UniProt Protein Name	Kv channel-interacting protein 4
UniProt Gene Name	KCNIP4
UniProt Synonym Gene Names	CALP; KCHIP4; KChIP4

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/calp-rat-elisa-kits/calprotectin/113047>