

Rat Calprotectin ELISA Kit | CP elisa kit

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CATALOG #
AAA16522

REACTIVITY
Rat

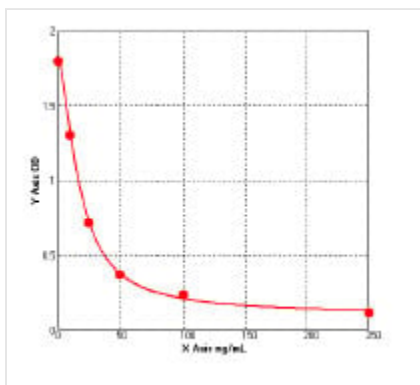
PRODUCT SYNONYMS

Calprotectin; Rat Calprotectin ELISA Kit; CP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CALPRO. No significant cross-reactivity or interference between CALPRO and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CALPRO and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This CP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CP. 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 CP elisa kit	Principle of the Assay: CALPRO ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CALPRO antibody and an CALPRO-HRP conjugate. The assay sample and buffer are incubated together with CALPRO-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 CALPRO concentration since CALPRO from samples and CALPRO-HRP conjugate compete for the anti-CALPRO antibody binding site. Since the number of sites is limited, as more sites are occupied by CALPRO from the sample, fewer sites are left to bind CALPRO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CALPRO concentration in each sample is interpolated from this standard curve. Intended Uses: This CALPRO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CALPRO. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CP elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q99MG9
NCBI Official Full Name	calprotectin=urinary stone protein band A {N-terminal}, partial

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/cp-rat-elisa-kits/calprotectin/16522>