

Human Calprotectin ELISA Kit | CALP elisa kit

Human Calprotectin ELISA

CATALOG #
AAA55898

REACTIVITY
Human

PRODUCT SYNONYMS

Calprotectin; Human Calprotectin ELISA; CALP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CALPRO. No significant cross-reactivity or interference between Human CALPRO and analogues was observed.
Sequence Length	20
Samples	Serum, plasma, urine, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	6.25 ng/mL - 400 ng/mL
Sensitivity	3.1 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CALP elisa kit

Intended Uses: For the quantitative detection of Human Calprotectin (CALPRO) concentration in serum, plasma, urine, cell culture supernates and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CALPRO in Human serum, plasma, urine, cell culture supernates. An antibody specific for CALPRO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CALPRO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CALPRO is added to the wells. After washing, Streptavidin 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 CALPRO bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	806925
NCBI Official Full Name	calprotectin=urinary stone protein band A {N-terminal}

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.

