

Rat 45 kDa calcium ELISA Kit | SDF4 elisa kit

Rat 45 kDa calcium-binding protein (SDF4) ELISA Kit

CATALOG #
AAA55784

REACTIVITY
Rat

PRODUCT SYNONYMS

45 kDa calcium; Rat 45 kDa calcium-binding protein (SDF4) ELISA Kit; RP5-902P8.6; Cab45; calcium binding protein; SDF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rabbit MMP-1. No significant cross-reactivity or interference between Rabbit MMP-1 and analogues was observed.
Sequence Length	362
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12 pg/mL-200 pg/mL
Sensitivity	1.56 pg/mL (mean of 6 independent assays).
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 SDF4 elisa kit

Intended Uses: For the quantitative detection of Rabbit Matrix metalloproteinase 1 (MMP-1) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MMP-1 in Rabbit serum, plasma. An antibody specific for MMP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP-1 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 MMP-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	78126149
NCBI GeneID	155173
NCBI Accession #	NP_569096.2
NCBI GenBank Nucleotide #	NM_130412.2
UniProt Accession #	Q91ZS3 ; Q5PQW3

Molecular Weight	44,350 Da
NCBI Official Full Name	45 kDa calcium-binding protein
NCBI Official Synonym Full Names	stromal cell derived factor 4
NCBI Official Symbol	Sdf4
NCBI Protein Information	45 kDa calcium-binding protein
UniProt Protein Name	45 kDa calcium-binding protein
UniProt Gene Name	Sdf4
UniProt Synonym Gene Names	Cab45; Cab45; SDF-4

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://www.aaabiotech.com/sdf4-rat-elisa-kits/45-kda-calcium/55784>