

Human Protein S100-A4 ELISA Kit | S100A4 elisa kit

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CATALOG #
AAA17544

REACTIVITY
Human

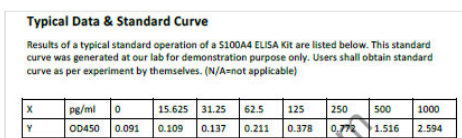
PRODUCT SYNONYMS

Protein S100-A4; Human Protein S100-A4 ELISA Kit; S100A4/Protein S100-A4/S100 calcium-binding protein A4/Protein Mts1/Placental calcium-binding protein/Calvasculin/Metastasin/CAPL/MTS1/42A/CAPL/MTS1/P9KA/PEL98/18A2/CAPLS100 calcium binding protein A4/fibroblast-specific protein-1; 42A/FSP1/leukemia multidrug resistance associated protein/malignant transformation suppression 1/murine placental homolog; S100A4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S100A4. No significant cross-reactivity or interference between S100A4 and analogues was observed.
Sequence Length	101
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level S100A4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level S100A4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-S100A4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-S100A4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the S100A4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of S100A4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9845516
NCBI GeneID	6275
NCBI Accession #	NP_062427.1
NCBI GenBank Nucleotide #	NM_019554.2
Molecular Weight	11,729 Da
NCBI Official Full Name	protein S100-A4
NCBI Official Synonym Full Names	S100 calcium binding protein A4
NCBI Official Symbol	S100A4
NCBI Official Synonym Symbols	42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98
NCBI Protein Information	protein S100-A4
UniProt Protein Name	Protein S100-A4
UniProt Gene Name	S100A4
UniProt Synonym Gene Names	CAPL; MTS1
UniProt Entry Name	S10A4_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.

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Online datasheet: <https://www.aaabiotech.com/s100a4-human-elisa-kits/protein-s100-a4/17544>