

Human S100 Calcium Binding Protein P (S100P) ELISA Kit | S100P elisa kit

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CATALOG #
AAA330959

REACTIVITY
Human

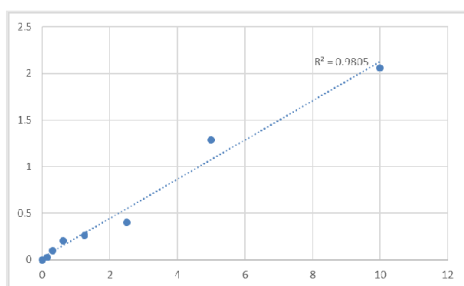
PRODUCT SYNONYMS

S100 Calcium Binding Protein P (S100P); Human S100 Calcium Binding Protein P (S100P) ELISA Kit; S100P; MIG9; S100 calcium-binding protein P; migration-inducing gene 9; S100P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 calcium binding protein P (S100P) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100P. No significant cross-reactivity or interference between Human S100P and analogues was observed.
Sequence Length	95
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human S100 calcium binding protein P (S100P) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100P elisa kit	Description: This Human S100 calcium binding protein P (S100P) ELISA Kit employs a two-site sandwich ELISA to quantitate S100P in samples. An antibody specific for S100P has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100P present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100P 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 S100P bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100P is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2, also binds Zn2 and Mg2. This protein may play a role in the etiology of prostate cancer. S100P showed a pattern of expression similar to that of S100BPB in both healthy pancreas and pancreatic cancer. Immunohistochemical analysis showed that S100P expression correlated significantly with increasing grade of pancreatic intraepithelial neoplasia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119602790
NCBI GeneID	6286
UniProt Accession #	P25815
NCBI Official Full Name	S100 calcium binding protein P
NCBI Official Synonym Full Names	S100 calcium binding protein P
NCBI Official Symbol	S100P
NCBI Official Synonym Symbols	MIG9
NCBI Protein Information	protein S100-P
UniProt Protein Name	Protein S100-P
UniProt Gene Name	S100P
UniProt Synonym Gene Names	S100E; MIG9
UniProt Entry Name	S100P_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/human-elisa-kits/s100-calcium-binding-protein-p-s100p/330959>