

Human Protein S100-A2 (S100A2) ELISA Kit | S100A2 elisa kit

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CATALOG #
AAA330967

REACTIVITY
Human

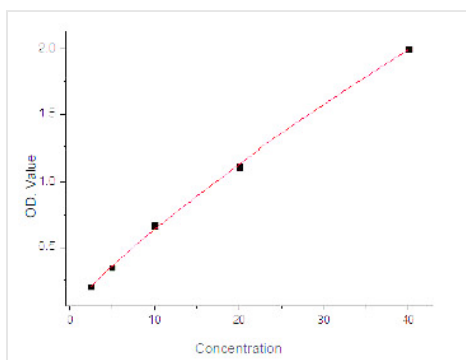
PRODUCT SYNONYMS

Protein S100-A2 (S100A2); Human Protein S100-A2 (S100A2) ELISA Kit; S100A2; RP11-49N14.8; CAN19; MGC111539; S100L; OTTHUMP00000032968; OTTHUMP00000032969; S100 calcium-binding protein A2; S100A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	97
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A2 elisa kit

Principle of the Assay: Human Protein S100-A2 (S100A2) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A2 in samples. An antibody specific for S100A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human S100A2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of S100A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: S100 proteins, such as S100A2, are small, acidic Ca(2+)-binding proteins that transduce Ca(2+)-signals via interaction with intracellular target proteins (Mandinova et al., 1998). S100 calcium binding protein A2 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. This protein may have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174661
NCBI GeneID	6273
NCBI Accession #	NP_005969.1
NCBI GenBank Nucleotide #	NP_005969.1
UniProt Accession #	P29034
NCBI Official Full Name	protein S100-A2
NCBI Official Synonym Full Names	S100 calcium binding protein A2
NCBI Official Symbol	S100A2
NCBI Official Synonym Symbols	CAN19; S100L
NCBI Protein Information	protein S100-A2
UniProt Protein Name	Protein S100-A2
UniProt Gene Name	S100A2
UniProt Synonym Gene Names	S100L
UniProt Entry Name	S10A2_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/protein-s100-a2-s100a2/330967>