

Human S100 calcium Binding Protein A14 (S100A14) ELISA Kit | S100A14 elisa kit

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CATALOG #
AAA330969

REACTIVITY
Human

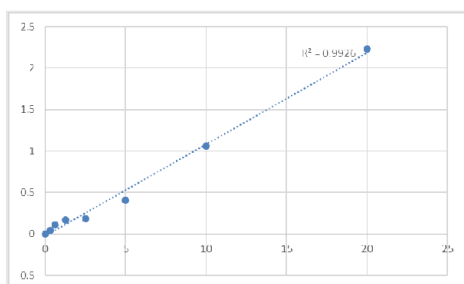
PRODUCT SYNONYMS

S100 calcium Binding Protein A14 (S100A14); Human S100 calcium Binding Protein A14 (S100A14) ELISA Kit; S100A14; BCMP84; S100A15; OTTHUMP00000032965; OTTHUMP00000032966; breast cancer membrane protein 84; S100A14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human S100 calcium binding protein A14 (S100A14) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A14. No significant cross-reactivity or interference between Human S100A14 and analogues was observed.
Sequence Length	104
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 A14 (S100A14) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A14 elisa kit	Description: This Human S100 calcium binding protein A14 (S100A14) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A14 in samples. An antibody specific for S100A14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A14 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 S100A14 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S100A14 is a member of a subfamily of proteins related by Ca(2+)-binding motifs to the EF-hand Ca(2+)-binding protein superfamily.Using a proteomics approach to identify genes upregulated in breast cancer, followed by database analysis and PCR of a breast carcinoma cell line, Adam et al. (2003) cloned S100A14, which they called BCMP84. BCMP84 expression in normal tissue was restricted to stratified squamous epithelium of skin, cervix, and tonsil. Weak staining was seen in normal breast ductal tissue, but strong immunoreactivity was detected in 10 of 58 (17%) breast cancer tissues. BCMP84 was expressed in the plasma membrane of transiently transfected breast carcinoma cells.By fluorescence in situ hybridization, Pietas et al. (2002) mapped the S100A14 gene to chromosome 1q21 in a cluster with at least 15 other S100 genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10190712
NCBI GeneID	57402
NCBI Accession #	NP_065723.1
NCBI GenBank Nucleotide #	NP_065723.1
UniProt Accession #	Q9HCY8
NCBI Official Full Name	protein S100-A14
NCBI Official Synonym Full Names	S100 calcium binding protein A14
NCBI Official Symbol	S100A14
NCBI Official Synonym Symbols	BCMP84; S100A15
NCBI Protein Information	protein S100-A14
UniProt Protein Name	Protein S100-A14
UniProt Gene Name	S100A14
UniProt Synonym Gene Names	S100A15; S114
UniProt Entry Name	S10AE_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.