

Human Protein S100-A7A (S100A7A) ELISA Kit | S100A7A elisa kit

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CATALOG #
AAA330963

REACTIVITY
Human

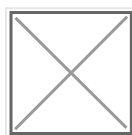
PRODUCT SYNONYMS

Protein S100-A7A (S100A7A); Human Protein S100-A7A (S100A7A) ELISA Kit; S100A7A; NICE-2; S100A15; S100A7L1; S100A7f; OTTHUMP00000015325; S100 calcium binding protein A15; S100 calcium binding protein A7-like 1; S100A7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein S100-A7A (S100A7A) ELISA Kit has high sensitivity and excellent specificity for detection of Human S100A7A. No significant cross-reactivity or interference between Human S100A7A and analogues was observed.
Sequence Length	101
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 Protein S100-A7A (S100A7A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S100A7A elisa kit	Description: This Human Protein S100-A7A (S100A7A) ELISA Kit employs a two-site sandwich ELISA to quantitate S100A7A in samples. An antibody specific for S100A7A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S100A7A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S100A7A 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 S100A7A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The human calcium-binding protein (hS100A15) was first identified in inflamed hyperplastic psoriatic skin, where the S100A15 gene is transcribed into two mRNA splice variants, hS100A15-S and hS100A15-L. In cultured keratinocytes, IL-1beta and Th1 cytokines significantly induced hS100A15-L compared with hS100A15-S. In contrast, Th2-derived cytokines had no influence on the expression of either hS100A15 splice variant. Differentiation of human keratinocytes induced by 1.2 mm calcium resulted in the upregulation of both hS100A15 mRNA isoforms. Overexpression of hS100A15 in chronic inflammatory skin diseases and regulation by inflammatory cytokines and calcium suggest that hS100A15 is involved in Th1-associated epithelial responses and epidermal maturation in normal and diseased human skin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28827815
NCBI GeneID	338324
NCBI Accession #	NP_789793.1
NCBI GenBank Nucleotide #	NP_789793.1
UniProt Accession #	Q86SG5
NCBI Official Full Name	protein S100-A7A
NCBI Official Synonym Full Names	S100 calcium binding protein A7A
NCBI Official Symbol	S100A7A
NCBI Official Synonym Symbols	NICE2; NICE-2; S100A15; S100A7f; S100A7L1
NCBI Protein Information	protein S100-A7A
UniProt Protein Name	Protein S100-A7A
UniProt Gene Name	S100A7A
UniProt Synonym Gene Names	S100A15; S100A7L1
UniProt Entry Name	S1A7A_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.