



Datasheet for ABIN5510725
S100A13 ELISA Kit



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1 Image

Overview

Quantity:	96 tests
Target:	S100A13
Binding Specificity:	AA 1-98
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human S100A13
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: M1-K98
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in heart and skeletal muscle.

Target Details

Target:	S100A13
Alternative Name:	S100A13 (S100A13 Products)

Target Details

Background: Protein Function: Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine (By similarity). .

Background: S100 calcium-binding protein A13 (S100A13) is a protein that in humans is encoded by the S100A13 gene. The characterization of a human gene, S100A13 encodes a calcium-binding protein belonging to the S100 protein family. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.

Synonyms: Protein S100-A13,S100 calcium-binding protein A13,S100A13,

Full Gene Name: Protein S100-A13

Cellular Localisation: Cytoplasm. Secreted. Secretion is mediated by exposure to stress and requires copper ions.

UniProt: [Q99584](#)

Pathways: [S100 Proteins](#)

Application Details

Plate: Pre-coated

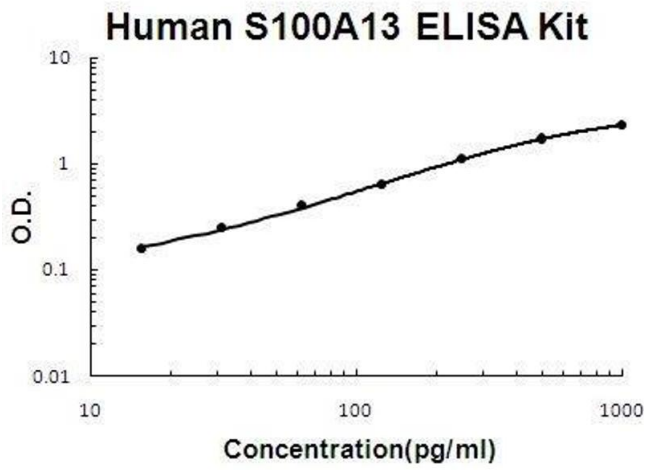
Restrictions: For Research Use only

Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Human S100A13 PicoKine ELISA Kit standard curve