

ARG81573 Human Stanniocalcin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81573-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81573-002	Standard	2 X 10 ng/vial	4°C
ARG81573-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81573-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81573-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81573-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81573-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81573-008	25X Wash buffer	20 ml	4°C
ARG81573-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81573-010	STOP solution	10 ml (Ready to use)	4°C
ARG81573-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81573 Human Stanniocalcin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Stanniocalcin 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Stanniocalcin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 5.8%
Alternate Names	Stanniocalcin-1; STC-1; STC

Application Instructions

Assay Time	~ 5 hours
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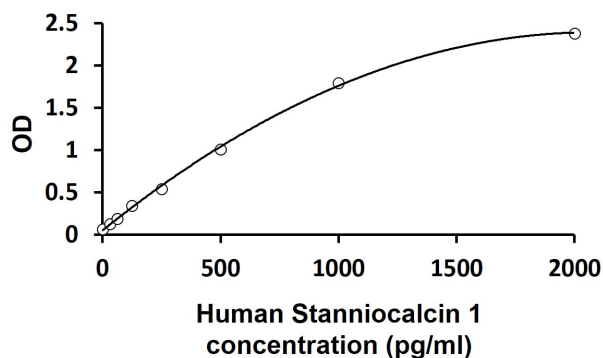
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	STC1
Gene Full Name	stanniocalcin 1
Background	This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers. [provided by RefSeq, Jul 2008]
Function	Stimulates renal phosphate reabsorption, and could therefore prevent hypercalcemia. [UniProt]
Highlight	Related products: Stanniocalcin antibodies ; Stanniocalcin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81573 Human Stanniocalcin 1 ELISA Kit standard curve image

ARG81573 Human Stanniocalcin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.