

ARG82365 Human Dermatopontin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82365-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82365-002	Standard	2 X 10 ng/vial	4°C
ARG82365-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82365-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82365-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82365-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82365-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82365-008	25X Wash buffer	20 ml	4°C
ARG82365-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82365-010	STOP solution	10 ml (Ready to use)	4°C
ARG82365-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82365 Human Dermatopontin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Dermatopontin in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Dermatopontin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.85 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 7.6%

Alternate Names TRAMP; Tyrosine-rich acidic matrix protein; Dermatotontin

Application Instructions

Assay Time ~ 5 hours

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 DPT

Gene Full Name dermatopontin

Background Dermatotontin is an extracellular matrix protein with possible functions in cell-matrix interactions and matrix assembly. The protein is found in various tissues and many of its tyrosine residues are sulphated. Dermatotontin is postulated to modify the behavior of TGF-beta through interaction with decorin. [provided by RefSeq, Jul 2008]

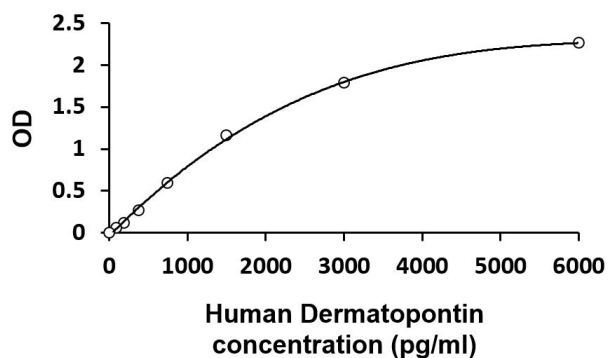
Function Seems to mediate adhesion by cell surface integrin binding. May serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment. Enhances TGFβ1 activity. Inhibits cell proliferation. Accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation (By similarity). [UniProt]

Highlight Related products:
[Dermatotontin antibodies](#); [Dermatotontin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM Sulfated on tyrosine residue(s). [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG82365 Human Dermatotontin ELISA Kit standard curve image

ARG82365 Human Dermatotontin ELISA Kit results of a typical standard run with optical density reading at 450 nm.