

ARG82627 Soluble Collagen Assay Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82627 Soluble Collagen Assay Kit is a detection kit for the quantification of soluble or solubilized collagens in tissue culture supernatants, cellular extracts and tissue homogenates.
Tested Reactivity	All
Tested Application	FuncSt
Specificity	Measures all types of fibrillar collagen, species independent.
Target Name	Collagen
Conjugation Note	Read at 540 nm.
Detection Range	0.5 - 10 µg/well (3.5 - 70 µg/ml)
Sample Type	Tissue culture supernatants, cellular extracts and tissue homogenates.
Sample Volume	140 µl
Alternate Names	O11; O12; O13; O14; EDSC; Collagen alpha-1(I) chain; Alpha-1 type I collagen

Application Instructions

Assay Time	< 3 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	COL1A1
Gene Full Name	collagen, type I, alpha 1
Background	This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dagleish, Feb 2008]
Function	Type I collagen is a member of group I collagen (fibrillar forming collagen). [UniProt]

Highlight

Related products:

[Collagen antibodies](#); [Collagen ELISA Kits](#); [Collagen Duos / Panels](#); [Collagen recombinant proteins](#);

Related news:

[New antibody panels for Myofibroblasts and CAFs](#)

PTM

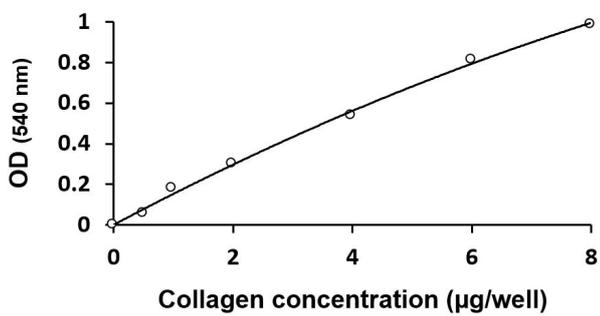
Proline residues at the third position of the tripeptide repeating unit (G-X-P) are hydroxylated in some or all of the chains. Proline residues at the second position of the tripeptide repeating unit (G-P-X) are hydroxylated in some of the chains.

O-linked glycan consists of a Glc-Gal disaccharide bound to the oxygen atom of a post-translationally added hydroxyl group. [UniProt]

Cellular Localization

Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG82627 Soluble Collagen Assay Kit typical data demonstration image

ARG82627 Soluble Collagen Assay Kit results of a typical data with optical density reading at 540 nm.
