



Datasheet for ABIN6720100

COMP ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	COMP
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple), Cartilage oligomeric matrix protein, Cartilage oligomeric matrix protein precursor, COMP, COMP_HUMAN, EDM 1, EDM1, EPD 1, EPD1, Epiphyseal dysplasia 1, Epiphyseal dysplasia 1 multiple, Epiphyseal dysplasia multiple 1, MED, MGC13181, MGC149768, PSACH, pseudoachondroplasia (epiphyseal dysplasia 1, multiple), Pseudoachondroplasia, THBS 5, THBS5, Thrombospondin 5, Thrombospondin-5, Thrombospondin5, TSP5</p> <p>Background: Cartilage oligomeric matrix protein is a protein that in humans is encoded by the COMP gene. The sequences of rat and bovine COMP indicate that it is a member of the</p>

Product Details

thrombospondin gene family. By Southern blot analysis of a somatic cell hybrid DNA panel and by isotopic in situ hybridization, human COMP gene was mapped to 19p13.1, and the murine COMP gene was mapped to the central region of mouse chromosome 8 by use of an interspecific backcross mapping panel. COMP is a marker of cartilage turnover.

Gene Name: COMP

Production: Natural and recombinant human COMP. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q21-A757

Target Details

Target:	COMP
Alternative Name:	COMP (COMP Products)
Gene ID:	1311
NCBI Accession:	NP_000086
UniProt:	P49747

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human COMP standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human COMP standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Other Performance Data: DOE: 2-8° C - 12/14/18 -20° C - 06/14/19

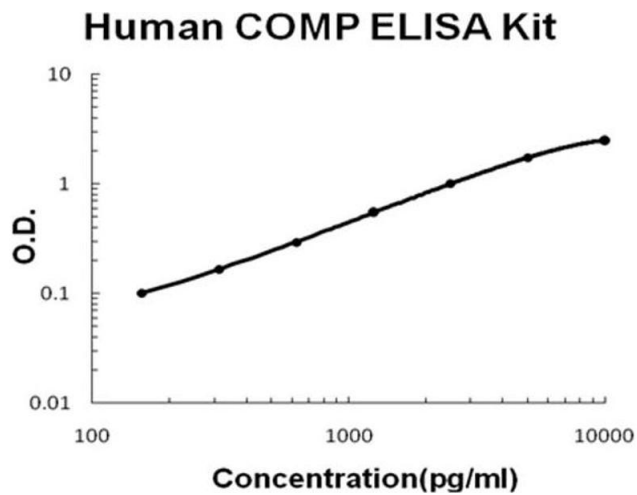
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human COMP Accusignal ELISA Kit Human COMP AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.