

Datasheet for ABIN6720098

**Endoglin ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	1 kit
Target:	Endoglin (ENG)
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: AI528660, AI662476, CD 105, CD105 antigen, Cell surface MJ7/18 antigen, END, Endoglin, ENG, FLJ41744, HHT1, ORW, ORW1, Osler Rendu Weber syndrome 1, OTTMUSP00000012838, OTTMUSP00000012839, RP11 228B15.2, RP23 17P12.4, S endoglin, Transmembrane glycoprotein</p> <p>Background: CD105, also called Endoglin, is a homodimeric membrane glycoprotein primarily associated with human vascular endothelium. It is also found on bone marrow proerythroblasts, activated monocytes, and lymphoblasts in childhood leukemia. Endoglin is a component of the transforming growth factor-beta(TGFB) receptor complex and binds TGFB1</p>

## Product Details

with high affinity.<sup>1</sup> CD105 gene is mapped to 9q34.1. The coding region of the gene contains 14 exons.<sup>2</sup> The protein consists of a homodimer of 180 kDA with disulfide links. Endoglin has a role in the development of the cardiovascular system and in vascular remodeling. Its expression is regulated during heart development. Furthermore, it also has a role in the balance of ALK1 and ALK5 signaling to regulate endothelial cell proliferation.<sup>3</sup> Moreover, the elevated expression of endoglin in the surgically excised CNVMs suggested a persisting postmitotic activation in an advanced stage of neovascular tissue.<sup>4</sup> The standard product used in this kit is extracellular part of recombinant huma...

Gene Name: ENG

Production: Natural and recombinant human CD105. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: E26-G586

## Target Details

Target:	Endoglin (ENG)
Alternative Name:	CD105 ( <a href="#">ENG Products</a> )
Gene ID:	2022
NCBI Accession:	<a href="#">NP_000109</a>
UniProt:	<a href="#">P17813</a>

## Application Details

Application Notes:	<p>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 CD105 standard solutions into the precoated 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 CD105 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

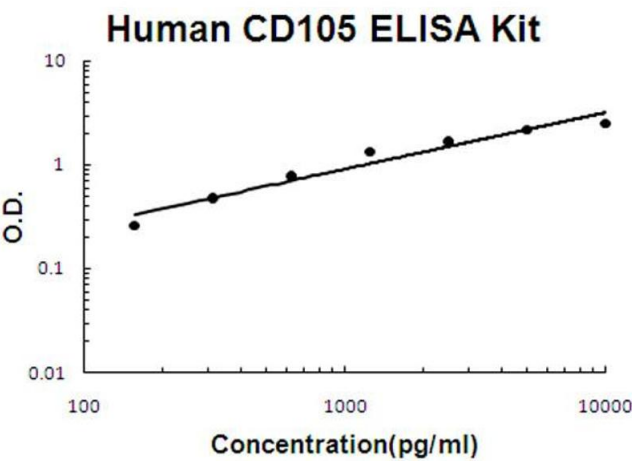
Restrictions: For Research Use only

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 CD105 Accusignal ELISA Kit Human CD105 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <15pg/ml.