



Human Soluble Endoglin,sENG/sCD105 ELISA Kit

Product Code	CSB-E10030h
Abbreviation	ENG
Protein Biological Process 1	Tumor marker
Target Name	endoglin
Uniprot No.	P17813
Alias	RP11-228B15.2, CD105, END, FLJ41744, HHT1, ORW, ORW1, CD105 antigen
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.047 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Gene Names	ENG
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ENG ELISA Kit was designed for the quantitative measurement of Human ENG protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.047 ng/mL.
Target Details	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ng/ml)	1.234	1.246	1.327	1.280	1.249	1.240
SD	0.044	0.032	0.046	0.060	0.053	0.043
CV(%)	6.250	4.520	6.270	8.350	7.480	6.090

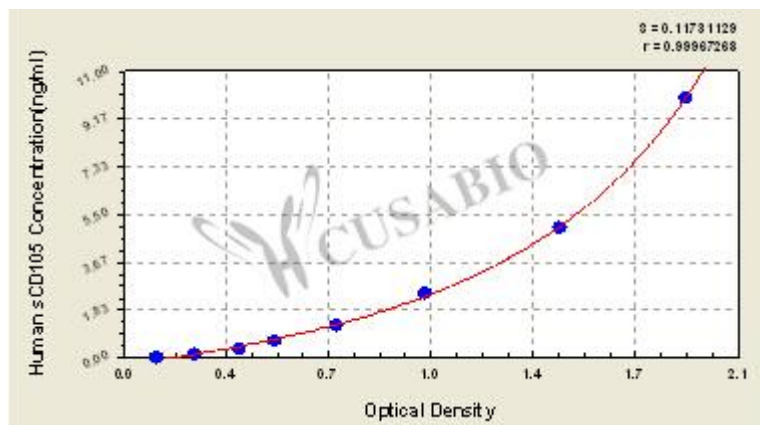
Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human sCD105 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	97
	Range %	89-104
1:2	Average %	95
	Range %	91-101
1:4	Average %	93
	Range %	85-97
1:8	Average %	96
	Range %	90-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
0	0.115	0.121	0.118	
0.156	0.251	0.235	0.243	0.125
0.313	0.401	0.385	0.393	0.275
0.625	0.509	0.515	0.512	0.394
1.25	0.705	0.727	0.716	0.598
2.5	1.015	1.003	1.009	0.891
5	1.476	1.442	1.459	1.341
10	1.864	1.892	1.878	1.760

Msds

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