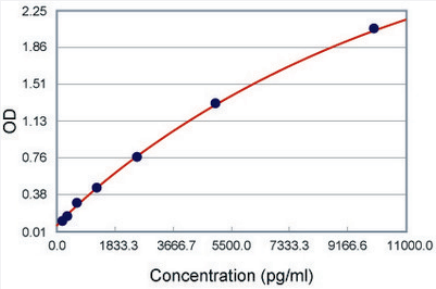
ENG (Human) ELISA Kit

Catalog # KA0442 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	ENG (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human ENG.
Suitable Sample	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysate
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — ENG

Entrez GeneID	2022
Gene Name	ENG
Gene Alias	CD105, END, FLJ41744, HHT1, ORW, ORW1
Gene Description	endoglin
Omim ID	131195 187300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the va scular endothelium. This protein is a component of the transforming growth factor beta receptor c omplex 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 domin ant multisystemic vascular dysplasia. Alternatively spliced transcript variants encoding different is oforms have been found for this gene. [provided by RefSeq
Other Designations	CD105 antigen|OTTHUMP00000022221|Osler-Rendu-Weber syndrome 1

Publication Reference

- Endoglin promotes endothelial cell proliferation and TGF-beta/ALK1 signal transduction.

  Lebrin F, Goumans MJ, Jonker L, Carvalho RL, Valdimarsdottir G, Thorikay M, Mummery C, Arthur HM, ten Dijke P.

  The EMBO Journal 2004 Oct; 23(20):4018.

- Expression of endoglin in choroidal neovascularization.

  Grisanti S, Canbek S, Kaiserling E, Adam A, Lafaut B, Gelisken F, Szurman P, Henke-Fahle S, Oficjalska-Mlynczak J, Bartz-Schmidt KU.

  Experimental Eye Research 2004 Feb; 78(2):207.

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- Cloning of the promoter region of human endoglin, the target gene for hereditary hemorrhagic telangiectasia type 1.

  Rius C, Smith JD, Almendro N, Langa C, Botella LM, Marchuk DA, Vary CP, Bernabeu C.

  Blood 1998 Dec; 92(12):4677.

Disease

- Aneurysm
- Arteriovenous Malformations
- Cardiovascular Diseases
- Central Nervous System Vascular Malformations
- Chromosome Aberrations
- Diabetes Mellitus
- Edema
- Epistaxis
- Genetic Predisposition to Disease
- Heart Defects
- Hypertension
- Intracranial Aneurysm
- Intracranial Arteriovenous Malformations
- Kidney Failure
- Liver Cirrhosis
- Liver Diseases
- Lung Neoplasms
- Pre-Eclampsia
- Pulmonary Disease
- Scleroderma

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- Stroke
- Subarachnoid Hemorrhage
- Telangiectasia
- Urinary Bladder Neoplasms
- Werner syndrome

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