

ARG81694 Human CD105 / Endoglin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81694-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81694-002	Standard	2 X 10 ng/vial	4°C
ARG81694-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81694-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81694-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81694-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81694-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81694-008	25X Wash buffer	20 ml	4°C
ARG81694-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81694-010	STOP solution	10 ml (Ready to use)	4°C
ARG81694-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81694 Human CD105 / Endoglin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD105 / Endoglin in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD105 / Endoglin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7%; Inter-Assay CV: 6.3%
Alternate Names	CD antigen CD105; HHT1; Endoglin; ORW1; END

Application Instructions

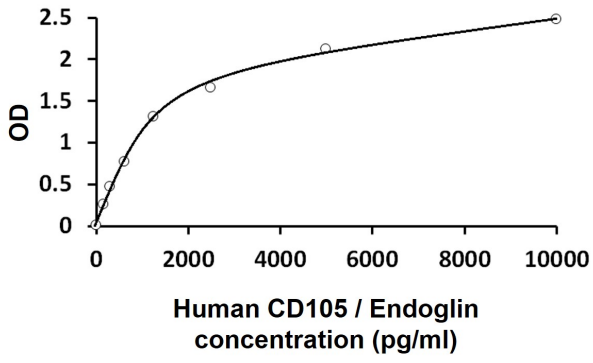
Assay Time	~ 5 hours
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Properties

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	ENG
Gene Full Name	endoglin
Background	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 to the beta1 and beta3 peptides 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. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]
Function	Major glycoprotein of vascular endothelium. Involved in the regulation of angiogenesis. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors. Acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade. Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGF-beta1 signaling through SMAD3. [UniProt]
Highlight	Related products: CD105 antibodies ; CD105 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81694 Human CD105 / Endoglin ELISA Kit standard curve image

ARG81694 Human CD105 / Endoglin ELISA Kit results of a typical standard run with optical density reading at 450 nm.