

## ARG82613 Mouse CD105 / Endoglin ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG82613 Mouse CD105 / Endoglin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD105 / Endoglin in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Mouse CD105 / Endoglin.  No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, Endoglin, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	CD105 / Endoglin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.08 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.16 - 10 ng/ml
Sample Volume	20 µl
Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 4.0%
Alternate Names	CD antigen CD105; HHT1; Endoglin; ORW1; END

### Application Instructions

Assay Time	~ 3.5 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.

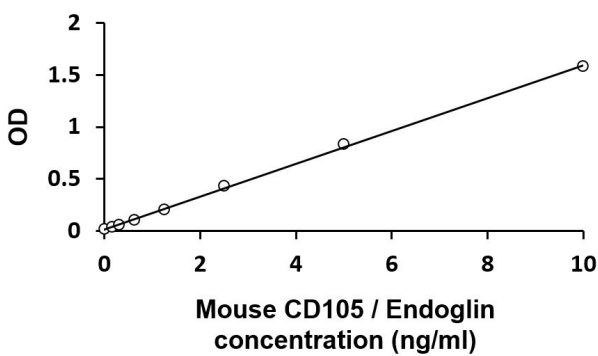
### Bioinformation

Gene Symbol	ENG
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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: <a href="#">CD105 antibodies</a> ; <a href="#">CD105 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

## Images

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ARG82613 Mouse CD105 / Endoglin ELISA Kit standard curve image

ARG82613 Mouse CD105 / Endoglin ELISA Kit results of a typical standard run with optical density reading at 450 nm.