

Mouse Endoglin/CD105 ELISA Kit | CD105 elisa kit

Mouse Endoglin/CD105 ELISA Kit

CATALOG #
AAA258483

REACTIVITY
Mouse

PRODUCT SYNONYMS

Endoglin/CD105; Mouse Endoglin/CD105 ELISA Kit; Endoglin/CD105 ELISA Kit; Mouse; endoglin; AI528660 ELISA Kit; AI662476 ELISA Kit; CD105 ELISA Kit; Endo ELISA Kit; S-endoglin ELISA Kit; CD105 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse Endoglin/CD105 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	12.5-800pg/mL
Sensitivity	4.4pg/mL
Conjugation	HRP
Interference	Preparations of Mouse ACVR2B at 8ng/mL in a mid-range recombinant Mouse ENG control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

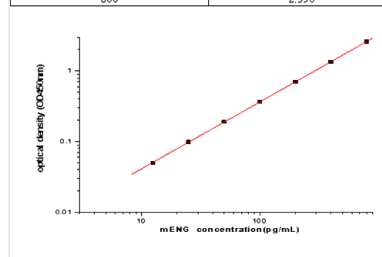
IMAGES

Recombinant human			
CD105	TGF- β 1	ALK-5/GST	TGFR2
TGFSR3			
Recombinant mouse			
ACVR2B			

Application Data

This assay recognizes both recombinant and natural Mouse ENG. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
12.5	0.050
25	0.099
50	0.190
100	0.367
200	0.703
400	1.348
800	2.596



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CD105 elisa kit	This Endoglin/CD105 ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Endoglin/CD105 protein in Serum. It contains recombinant Mouse Endoglin/CD105, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Endoglin, also known as CD105, is a type I homodimeric transmembrane glycoprotein with a large, disulfide-linked, extracellular region and a short, constitutively phosphorylated cytoplasmic tail. Endoglin contains an RGD tripeptide which is a key recognition structure in cellular adhesion, , suggesting a critical role for endoglin in the binding of endothelial cells to integrins and/or other RGD receptors. Endoglin is highly expressed on vascular endothelial cells, chondrocytes, and syncytiotrophoblasts of term placenta. It is also found on activated monocytes, mesenchymal stem cells and leukemic cells of lymphoid and myeloid lineages. As an accessory receptor for the TGF-beta superfamily ligands, endoglin binds TGF-beta1 and TGF-beta3 with high affinity not by itself but by associating with TGF-beta type II receptor (TbetaRII) and activates the downstream signal pathways. In addition, in human umbilical vein endothelial cells, ALK-1 is also a receptor kinase for endoglin threonine phosphorylation, and mutations in either of the two genes result in the autosomal-dominant vascular dysplasia, hereditary hemorrhagic telangiectasia (HHT). Endoglin has been regarded as a powerful biomarker of neovascularization, and is associated with several solid tumor types.
References	Bellon T., et al., (1993), Identification and expression of two forms of the human transforming growth factor-beta-binding protein endoglin with distinct cytoplasmic regions. Eur. J. Immunol. 23:2340-2345. Humphray S.J., et al., (2004), DNA sequence and analysis of human chromosome 9.Nature 429:369-374. Gougos A., et al., (1990), Primary structure of endoglin, an RGD-containing glycoprotein of human endothelial cells.J. Biol. Chem. 265:8361-8364.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/endoglin-cd105/258483>