

Human ENG Antibody Pair SetSet

Catalog No.	E-KAB-0271	Applications	ELISA
Synonyms	CD105, END, HHT1, ORW, ORW1		

Kit components & Storage

Title	Specifications	Storage
Human ENG Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze/thaw cycles.
Human ENG Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze/thaw cycles.

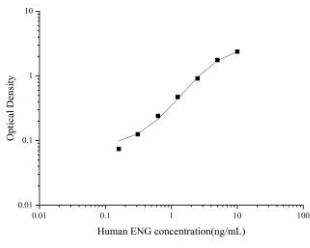
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0271)	
		Human ENG Capture Antibody	Human ENG Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ENG protein	Recombinant Human ENG protein
	Swissprot	P17813	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human ENG in ELISAs.	

Applications

Human ENG Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human ENG Capture Antibody	
ELISA Detection	1:1000-1:10000	Human ENG Detection Antibody (Biotin)	

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

Background

Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis. Required for normal structure and integrity of adult vasculature. Regulates the migration of vascular endothelial cells. Required for normal extraembryonic angiogenesis and for embryonic heart development. May regulate endothelial cell shape changes in response to blood flow, which drive vascular remodeling and establishment of normal vascular morphology during 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 that ultimately leads to the activation of SMAD transcription factors. Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGFB1 signaling through SMAD3.

