

Canine Endoglin /CD105 ELISA Kit | Endoglin / CD105 elisa kit

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CATALOG #
AAA97536

REACTIVITY
Canine

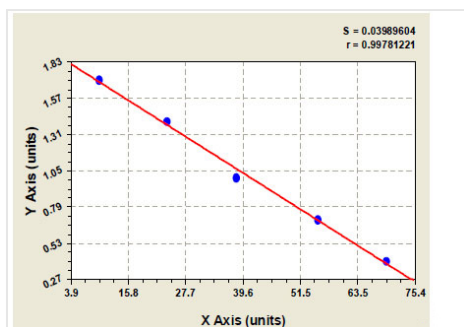
PRODUCT SYNONYMS

Endoglin /CD105; Canine Endoglin /CD105 ELISA Kit; Endoglin / CD105 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Endoglin / CD105 elisa kit

Intended Uses: This ENG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ENG. This ELISA kit for research use only!

Principle of the Assay||ENG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ENG antibody and an ENG-HRP conjugate. The assay sample and buffer are incubated together with ENG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ENG concentration since ENG from samples and ENG-HRP conjugate compete for the anti-ENG antibody binding site. Since the number of sites is limited, as more sites are occupied by ENG from the sample, fewer sites are left to bind ENG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ENG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Endoglin / CD105 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	497240517
NCBI GeneID	2022
NCBI Accession #	NP_001265067.1
NCBI GenBank Nucleotide #	NM_001278138.1
UniProt Accession #	P17813; Q14248; Q14926; Q5T9C0
Molecular Weight	70,578 Da
NCBI Official Full Name	endoglin isoform 3
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	ENG
NCBI Official Synonym Symbols	END; HHT1; ORW1
NCBI Protein Information	endoglin; CD105 antigen
UniProt Protein Name	Endoglin
UniProt Gene Name	ENG
UniProt Synonym Gene Names	END
UniProt Entry Name	EGLN_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/endoglin-cd105-canine-elisa-kits/endoglin-cd105/97536>