CD105 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD105, Monoclonal Antibody
Full Product Name	CD105 (Endoglin) (ABT-CD105) Mouse mAb
Product Gene Name	anti-CD105 antibody
Product Synonym Gene Name	END; HHT1; ORW1; ENG
Clonality	Monoclonal
Isotype	IgG2a, kappa
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity Chromatography
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
OMIM	131195
3D Structure	ModBase 3D Structure for P17813
Immunogen	Synthesized peptide derived from human CD105(Endoglin)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD105 antibody	Immunohistochemistry (IHC) Paraffin
Application Notes for anti-CD105 antibody	IHC-P: 1:100-500
Related Product Information for anti-CD105 antibody	MBS8541368 is an antibody targeting CD105. Also known as CD105 (Endoglin) (ABT-CD105) Mouse mAb. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD105 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD105. It may not necessarily be applicable to this product.

NCBI GI #	4557555
NCBI GeneID	2022
NCBI Accession #	NP_000109.1
UniProt Primary Accession #	P17813
UniProt Related Accession #	P17813
GenBank Nucleotide #	NP_000109.1

NCBI Official Full Name	endoglin isoform 2
NCBI Official Synonym Full Names	endoglin
NCBI Official Symbol	ENG
NCBI Official Synonym Symbols	END; HHT1; ORW1
UniProt Protein Name	Endoglin
Protein Family	Endoglin
UniProt Gene Name	ENG
UniProt Synonym Gene Names	END
UniProt Entry Name	EGLN_HUMAN
NCBI Protein Information	endoglin
NCBI Summary for CD105	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]
Research Articles on CD105	**1.** High ENG expression is associated with Diabetic Nephropathy.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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