



Anti-Human CD105/Endoglin (#12J64)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M192
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with cell membrane glycoproteins of lymphoblastic leukemia cells. IgG1 fraction of the tissue culture supernatant was purified by Protein G affinity

Target Background

Synonyms (Target):	Endoglin; END; ORW; HHT1; ORW1; CD105
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CD105 or Endoglin is a Type I transmembrane protein, which is highly expressed on vascular endothelial cells. It exists on an O- and N-glycosylated homodimer. Up regulation of endoglin expression has been demonstrated in tumor vasculature and proliferating cells, suggesting that it is a proliferation associated endothelial marker. CD105 binds to TGF-β1 and β3 with high affinity but not to TGF-β2.

Database References Target

Protein RefSeq:	NP_000109
Uniprot ID:	P17813
mRNA RefSeq:	NM_000118

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#12J64)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Cell membrane proteins of leukemia cells.
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

Capture Ab

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!