



20150130ML

Anti-Mouse CD105 [Endoglin] (#6J9)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M102
Size:	200 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with recombinant mouse CD105 protein). IgG2a fraction of the culture supernatant was purified by Protein G affinity chromatography.

Target Background

Synonyms (Target):	Eng endoglin; CD105; AI528660; AI662476; S-endoglin
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Endoglin, also known as CD105, is a type I integral transmembrane glycoprotein and is an accessory receptor for TGF-beta superfamily ligands. 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.

Database References Target

Protein RefSeq:	NP_031958
Uniprot ID:	Q63961
mRNA RefSeq:	NM_007932

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#6J9)
Isotype	IgG2a
Purification	Protein G chromatography
Antigen	Recombinant Mouse CD105
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 400 µl sterile PBS and the final concentration is 500 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.

Remarks: This antibody was selected for its ability to detect mouse CD105 protein.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC

Recommended usage:

Western Blot: 1:500 - 1:1000

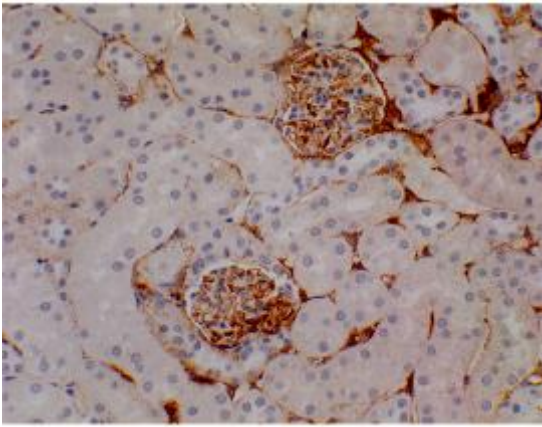
IHC (paraffine): 1:100 - 1:400

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



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Application/Handling



Bouin's solution fixed and paraffin embedded normal mouse kidney section was subjected to immunohistochemistry staining (ABC) of CD105 using 103-M102. Specific CD105 signal (DAB) is noted in vascular endothelial cells.