

Product datasheet for **TA386023**

Eng Rat Monoclonal Antibody [Clone ID: MJ7/18]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MJ7/18
Applications:	FC, IHC, IP, WB
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	MJ7/18 was prepared by immunizing rats with inflamed mouse skin tissue. The antibody was selected immunohistologically for reactivity with endothelial cells.
Specificity:	MJ7/18 binds specifically to mouse CD105. CD105 is a homodimer expressed by vascular endothelial cells. CD105 functions in adhesion and embryonic angiogenesis. CD105 is a major homodimeric glycoprotein of vascular endothelium involved in cell adhesion through integrin/RGD binding and the regulation of angiogenesis. Also acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade. CD105 is also required for GDF2/BMP9 signaling through SMAD1 in endothelial cells.
Formulation:	MJ7/18 can be used for FC, WB, IP and IHC (Baluk P, et al. 2003. Am. J. Pathol. 163:1801). PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	endoglin
Database Link:	Entrez Gene 13805 Mouse Q63961
Synonyms:	CD105; END; endoglin; FLJ41744; HHT1; ORW; ORW1



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