

Product datasheet for **AM08073PU-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MJ7/18
Applications:	FC, IHC, WB
Recommended Dilution:	Flow Cytometry: Identification and enumeration of CD105+ cells. (< / = 1 µg/10e6 cells). (Ref.1) Immunohistochemistry on Frozen Sections. Western Blotting. (Ref.1)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Inflamed mouse skin. (Ref.1)
Specificity:	This antibody recognises Mouse Endoglin/CD105 (Mr. 90kDa)
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	endoglin
Database Link:	Entrez Gene 13805 Mouse Q63961



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Background:

CD105/endoglin is a disulfide-linked type II transmembrane homodimer that is predominantly expressed on vascular endothelial cells. It is also found on pre-erythroblasts, macrophages and lymphoid and myeloid leukemic cells. (Ref.2) Both mouse and human CD105 exhibit > 70% sequence homology in their cytoplasmic domains with type III Transforming Growth Factor beta (TGF-beta) receptor. (Ref.3) CD105 has been shown to be one of several receptors for the various isoforms of TGF-beta, which in turn is one of a family of proteins involved in regulation of cell differentiation, migration of cells and control of the immune response. (Ref.4)

Synonyms:

ENG, END, HHT1, ORW, ORW1