

Product datasheet for **SM1177F**

CD105 (ENG) Mouse Monoclonal Antibody [Clone ID: SN6]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | SN6 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: Use 10 µl of neat antibody to label 10 ⁶ cells in 100 µl. |
| Reactivity: | Equine, Human, Monkey |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Partially purified cell membrane antigens from fresh leukaemia cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line |
| Specificity: | SM1177F recognizes the CD105 cell surface antigen. |
| Formulation: | PBS Label: FITC State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1 |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein G from tissue culture supernatant. |
| Conjugation: | FITC |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | endoglin |
| Database Link: | Entrez Gene 2022 Human P17813 |



[View online »](#)

Background:

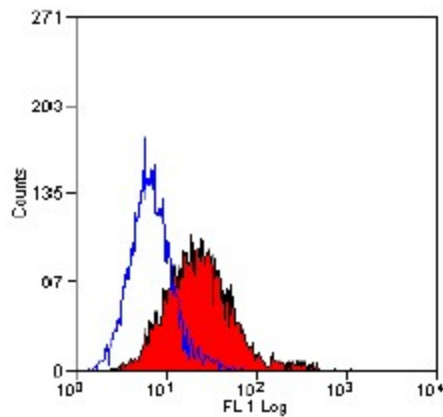
CD105 or Endoglin is a Type I transmembrane protein, which is highly expressed on human vascular endothelial cells. It exists on an O- and N-glycosylated homodimer. Up regulation of endoglin expression has been demonstrated in tumor vasculature and proliferating cells, suggesting that it is a proliferation associated endothelial marker. CD105 binds to TGF beta 1 and 3 with high affinity but not to TGF beta 2.

CD105 is a glycoprotein homodimer of 95 kD subunits.

CD105 is expressed by endothelial cells, activated monocytes and some leukaemia cells.

Synonyms:

ENG, END, HHT1, ORW, ORW1

Product images:

Staining of KG1 cells with mouse-anti-human CD105-FITC antibody