

Purified Anti-Mouse CD105 Antibody[MJ7/18]

catalog number: E-AB-F1233A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

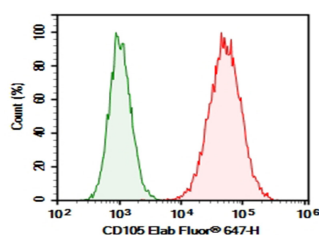
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|---------------------|---|
| Reactivity | Mouse |
| Immunogen | Recombinant Human CD105 protein |
| Host | Rat |
| Isotype | Rat IgG2a, κ |
| Clone | MJ7/18 |
| Purification | >98%, Protein A/G purified |
| Conjugation | Unconjugated |
| Buffer | PBS, pH 7.2. Contains 0.05% Proclin300. |

Applications

Recommended Dilution

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|------------|--|
| FCM | 2 μ g/mL(0.5×10^6 - 1×10^6 cells) |
|------------|--|

Data



Bend.3 were stained with 0.2 μ g Purified Anti-Mouse CD105 Antibody[MJ7/18] (Right) and 0.2 μ g Rat IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

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|-----------------|--|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-linked subunits of 90-95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF- β) and is involved in vascular development and remodelling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis.