

AF/LE Purified Anti-Mouse CD105 Antibody[MJ7/18]

catalog number: E-AB-F12330

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

Description

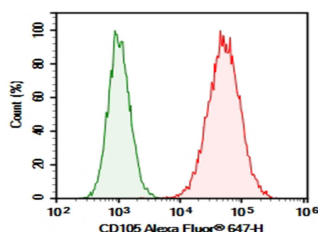
Reactivity	Mouse
Immunogen	Recombinant Human CD105 protein
Host	Rat
Isotype	Rat IgG2a, κ
Clone	MJ7/18
Purification	>98%, Protein A/G purified
Conjugation	None (AF/LE)
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (1×10^5 - 5×10^5 cells)
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Data



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

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
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.