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# Purified Anti-Human CD105 Antibody[43A3]

catalog number: AN007400P

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

### **Description**

Reactivity Human

Immunogen Recombinant Human CD105 protein

Host Mouse

**Isotype** Mouse IgG1, κ

Clone 43A3

**Purification** >98%, Protein A/G purified

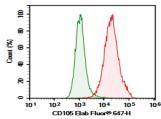
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

# Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### Data



THP-1 were stained with 0.2 μg Purified Anti-Human CD105 Antibody[43A3] (Right) and 0.2 μg Mouse IgG1, κ Isotype

Control (Left), followed by Elab Fluor<sup>®</sup> 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

## **Preparation & Storage**

Storage 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 (CD105) is a 90 kDa type I transmembrane glycoprotein of the zona pellucida (ZP) family of proteins (1-3). Endoglin and Betaglycan/T beta RIII are type III receptors for TGF beta superfamily ligands, sharing 71% aa identity in the transmembrane (TM) and cytoplasmic domains. Endoglin is highly expressed on proliferating vascular endothelial cells, chondrocytes, and syncytiotrophoblasts of term placenta, with lower amounts on hematopoietic, mesenchymal and neural crest stem cells, activated monocytes, and lymphoid and myeloid leukemic cells.