# Purified Anti-Human CD105 Antibody[SN6], Functional Grade

**catalog number:** **E-AB-F13100**

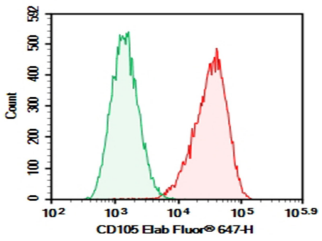
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

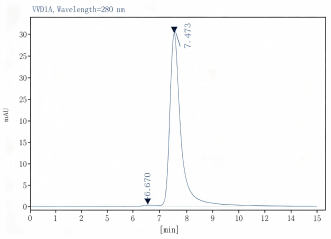
| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human CD105 protein |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1,κ |
| **Clone** | SN6 |
| **Purification** | >98%, Protein A/G purified |
| **Buffer** | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

| Applications | Recommended Dilution |
|---|---|
| **FCM** | ≤ 0.2 μg per million cells in 100 μL volume |
| **FA** | Reported in the literature |

## Data




U937 were stained with 0.2 μg Purified Anti-Human CD105 Antibody[SN6], Functional Grade and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.



Monomer purity ≥95% as determined by analytical size-exclusion chromatography (SEC)

## 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 (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.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.


Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

## Application References

Olivier Nolan-Stevaux, et al. PLoS One. 2012;7(12):e50920.