

# Anti-CD105 Antibody [PSH15-97] - BSA and Azide free HA751588



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|----------------------------|---|
| <b>Product Type:</b>       | Recombinant Rabbit monoclonal IgG, primary antibodies |
| <b>Species reactivity:</b> | Human   |
| <b>Applications:</b>       | FC  |
| <b>Molecular Wt:</b>       | Predicted band size: 71 kDa                           |
| <b>Clone number:</b>       | PSH15-97  |

**Description:** Endoglin (ENG) is a type I membrane glycoprotein located on cell surfaces and is part of the TGF beta receptor complex. It is also commonly referred to as CD105, END, FLJ41744, HHT1, ORW and ORW1. It has a crucial role in angiogenesis, therefore, making it an important protein for tumor growth, survival and metastasis of cancer cells to other locations in the body.

**Immunogen:** Recombinant protein within human CD105 aa 26-586.

**Positive control:** U-937.

**Subcellular location:** Cell membrane.

**Database links:** SwissProt: P17813 Human

**Recommended Dilutions:**

FC 1:1,000

**Storage Buffer:** 1\*PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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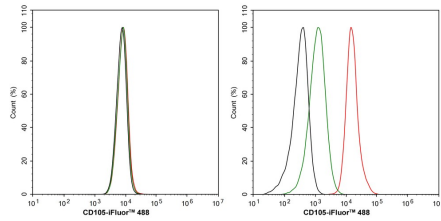
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## Images



**Fig1:** Flow cytometric analysis of LNCaP (left, negative) and U-937 (right, positive) cells labeling CD105.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA751588, 1/1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody (HA1121) at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

**Note:** All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

## Background References

1. Oladejo M et al. CD105 in the progression and therapy of renal cell carcinoma. Cancer Lett. 2023 Aug
2. Li L et al. CD105: tumor diagnosis, prognostic marker and future tumor therapeutic target. Clin Transl Oncol. 2022 Aug

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