

Anti-Human CD105/Endoglin-163Dy

Catalog: 3163005B

Clone: 43A3

Package Size: 100 tests

Isotype: IgG1

Storage: Store product at 4°C. Do not freeze.

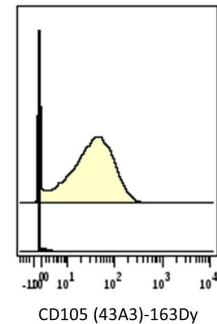
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human THP-1 monocytic cells (top) and human Jurkat cells (bottom) stained with 163Dy-anti-CD105 (43A3).

Description

CD105, also known as Endoglin, is a cell surface glycoprotein with type I transmembrane subunits of disulfide-bonded homodimer. CD105 is a component of the TGF-β receptor complex and expressed by vascular endothelial smooth muscle cells, syncytiotrophoblasts of placenta and activated macrophages, and weakly by stromal fibroblasts. Expression of CD105 is also observed in some types of tumors and levels are up-regulated on the endothelium during angiogenesis.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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