

# Anti-Human CD34-163Dy

Catalog: 3163014B

Clone: 581

Package Size: 100 tests

Isotype: IgG2a

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

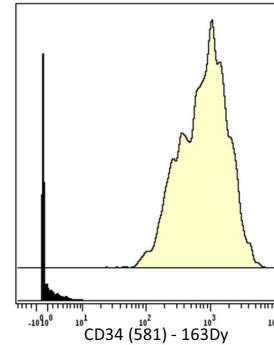
Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human KG1a myeloid cells (top) and human Jurkat T cells (bottom) stained with 163Dy-anti-CD34 (581).

## Description

CD34, also known as gp105-120, is a monomeric sialomucin-like glycoprophosphoprotein that is believed to play a role in cell migration. It is expressed on the majority of human hematopoietic stem cells as well as other primitive blood progenitor cells. It has also shown expression on a tumor initiating cells from a number of different tissues.

## 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.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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