

Anti-Human CD34-166Er

Catalog #: 3166012B

Package Size: 100 tests

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

Cross Reactivity: Cynomolgus Monkey, Rhesus

Clone: 581

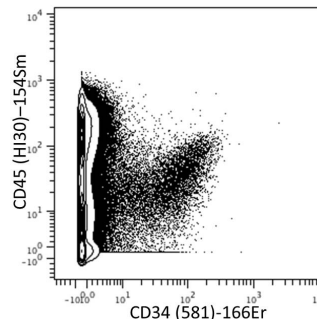
Isotype: Mouse IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 bone marrow cells stained with 154Sm-anti-CD45 (HI30) and 166Er-anti-CD34 (581). CD66 negative cells are displayed in the analysis.

Description

CD34, also known as gp105-120, is a monomeric sialomucin-like glycoposphoprotein 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.

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