

Anti-Human CD304-169Tm

Catalog: 3169018B

Package Size: 100 tests

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

Reactivity: Human

Clone: 12C2

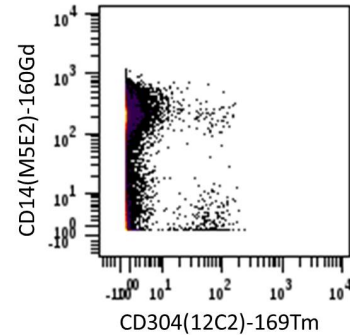
Isotype: IgG2a

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 PBMCs stained with 169Tm-anti-CD304(12C2) and 160Gd-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The 12C2 monoclonal antibody specifically binds to CD304, a 140 kD type I transmembrane protein, known alternatively as neuropilin-1, BDCA-4 and VEGF165R. CD304 has been implicated in a number of processes including angiogenesis, neural development, and tumor metastasis. CD304 is expressed on plasmacytoid dendritic cells where it aids in priming immune responses and on a subset of regulatory T cells. CD304 may also act as a co-receptor for extracellular ligands including class III/IV semaphorins, isoforms of vascular endothelial growth factor and transforming growth factor beta (TGF- β).

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

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