

Anti-Human CD130-160Gd

Catalog: 3160017B

Package Size: 100 tests

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

Reactivity: Human,

Clone: 2E1B02

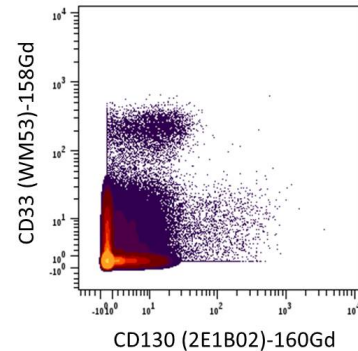
Isotype: IgG2a

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 whole blood stained with 158Gd-anti-CD33 (WM53) and 160Gd-anti-CD130 (2E1B02). Total CD45+ viable cells are displayed in the analysis.

Description

The 2E1B02 monoclonal antibody specifically binds to CD130, a 130 kD type 1 membrane glycoprotein that belonging to the hematopoietic cytokine receptor superfamily. CD130 is also known as gp130 (glycoprotein 130), IL6ST (Interleukin-6 signal transducer), and IL6RB/IL-6Rβ (Interleukin-6 Receptor beta). CD130 is a subunit associated with the receptors for a variety of cytokines including IL-6, IL-11, Oncostatin M (OSM), CNTF (ciliary neurotrophic factor), CT-1, Neuropoietin (NP), and IL-27. CD130 is widely expressed on a variety hematopoietic cell types including T cells, activated B cells, monocytes, plasma cells, and is also expressed on endothelia.

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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