

Anti-Human CD85j-166Er

Catalog: 3166020B

Package Size: 100 tests

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

Reactivity: Human,

Clone: GHI/75

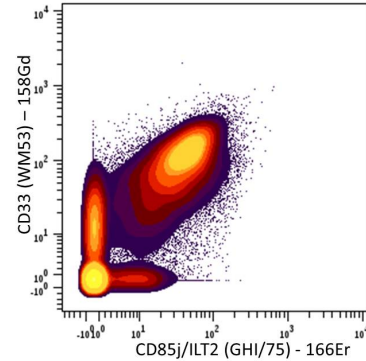
Isotype: IgG2b

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 158Gd-anti-CD33 (WM53) and 166Er-anti-CD85j/ILT2 (GHI/75).

Description

CD85j is the 110kD transmembrane protein member, also known as ILT2, LIR1, or LILRB1, and MIR7. CD85 molecules belong to a large immunoregulatory family and it has been clustered into different subclasses from CD85a to CD85m in the VIIth HLDA workshop. CD85j has four Ig domains and contains ITIMs in its cytoplasmic tail, which provide inhibitory signals through SHP-1 recruitment. CD85 is found on subpopulations of NK cells and T lymphocytes. ILT2 can be activated by a diverse range of ligands including HLA-A, -B molecules, some HLA-C and HLA-G molecules, and the human cytomegalovirus UL18 protein.

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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