

Anti-Human CD273 (PD-L2)-172Yb

Catalog #: 3172014B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: 24F.10C12

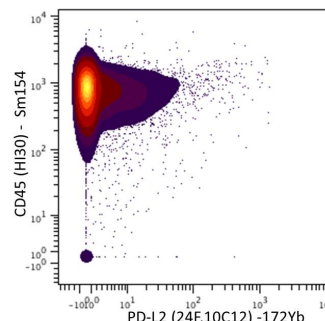
Isotype: Mouse IgG2a

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 monocyte-derived dendritic cells stained with 154Sm-anti-CD45 (HI30) and 172Yb-anti- CD273/PD-L2 (24F.10C12). CD3-CD11c+ viable cells are displayed in the analysis.

Description

Programmed death ligand 2 (PD-L2), also known as CD273 and B7-DC is an approximately 25 kDa member of the B7 family. PD-L2 is mainly expressed by sub-populations of myeloid-lineage cells including dendritic cells and monocytes/macrophages. PD-L2 serves as a ligand for PD-1 and this interaction is thought to be involved in costimulation or suppression of T cell proliferation.

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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