

# Anti-Human CD137 Ligand-158Gd

Catalog: 3158022B

Clone: 5F4

Package Size: 100 tests

Isotype: IgG1

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

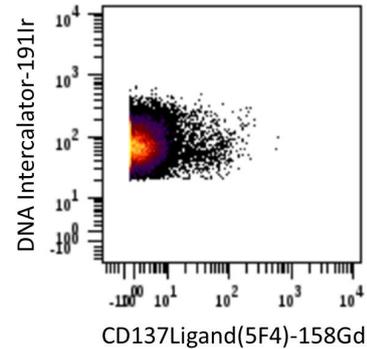
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

## 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human HT29 cells stained with 158Gd-anti-CD137 Ligand(5F4).

## Description

The 5F4 monoclonal antibody reacts with 4-1BB Ligand (4-1BBL), also known as CD137 Ligand. CD137 Ligand (CDw137L) is a type II transmembrane protein and a member of the tumor necrosis factor (TNF) superfamily. CD137 Ligand is expressed by activated antigen presenting cells including B cells and macrophages. Studies have demonstrated that CD137 Ligand acts as a costimulatory molecule without engaging other costimulatory molecules such as CD28.

## 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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