

# Anti-Mouse CD272-156Gd

Catalog: 3156028B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: 6F7

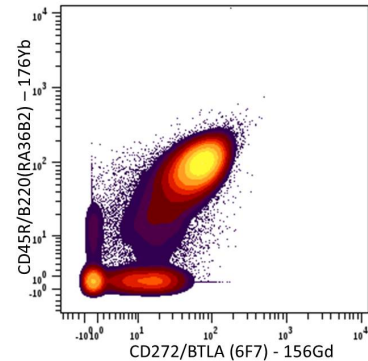
Isotype: IgG1

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 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.



Mouse splenocytes stained with 176Yb-anti-CD45R/B220(RA36B2) and 156Gd-anti-CD272/BTLA (6F7).

## Description

CD272, also known as B and T lymphocyte attenuator (BTLA), is expressed on B cells, T cells, macrophages, dendritic cells, NKT cells and NK cells. CD272 is a type I transmembrane glycoprotein with structural and functional similarity to cytotoxic T lymphocyte antigen-4 (CTLA-4) and programmed cell death 1 (PD-1). It is implicated as a lymphocyte inhibitory receptor which inhibits lymphocytes during immune response.

## 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](http://fluidigm.com/support)

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