

# Anti-Human CD352-143Nd

Catalog: 3143017B

Package Size: 100 tests

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

Reactivity: Human,

Clone: NT-7

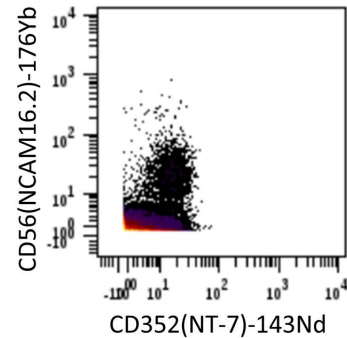
Isotype: IgG1

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.



Human whole blood stained 143Nd-anti-CD352(NT-7) and 176Yb-anti-CD56(NCAM16.2). Total viable cells are displayed in the analysis.

## Description

The NT-7 monoclonal antibody specifically reacts with CD352, also known as NTBA (NK-, T-, and B-cell Antigen), SLAMF6 (SLAM family member 6), LY108, TCOM, or SF2000. It is a 60 kD type I transmembrane glycoprotein and a member of Ig superfamily belonging to CD2/CD150 subfamily. CD352 is constitutively expressed on NK cells and B cells and upregulated on T cells upon activation. CD352 can serve as its own ligand; binding of CD352 with itself can trigger NK cytotoxicity, CD28 independent T cell costimulation, triggering Th1 cytokines production, and regulation of B cell tolerance. Regulation of autoimmune diseases via CD352 has been reported in the literature.

## 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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