

PE anti-human CD352 (NTB-A)

Catalog # / Size: 317207 / 25 tests
317208 / 100 tests

Clone: NT-7

Isotype: Mouse IgG1, κ

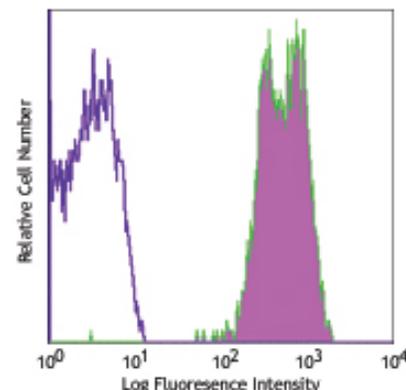
Immunogen: Recombinant extracellular domain of NTB-A

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with NT-7 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: stimulation of NTB-A in a redirected lysis assay and blocking of NTB-A function³. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 317204).

Application References:

- Messmer B, *et al.* 2006. *J. Immunol.* 176:4646. (FC)
- Ward J, *et al.* 2007. *Blood* 110:1207. (FC) PubMed
- Uzana R, *et al.* 2012. *J. Immunol.* 188:632. (Block) PubMed

Description: NTBA (NK-, T-, and B-cell Antigen) is a 60 kD type I transmembrane glycoprotein. It is a member of Ig superfamily belonging to CD2/CD150 subfamily, also known as SLAMF6 (SLAM family member 6), LY108, TCOM, or SF2000. This antigen is expressed on NK cells, T cells (upregulated upon activation), and B cells. NTBA is its own ligand. The homophilic interaction of NTBA is involved in the induction of NK cytotoxicity, CD28 independent T cell costimulation, triggering Th1 cytokines production, and regulation of B cell tolerance. It may play a role in the regulation of autoimmune diseases.

Antigen References:

- Bottino C, *et al.* 2001. *J. Exp. Med.* 194:235.
- Valdez PA, *et al.* 2004. *J. Bio. Chem.* 279:18662.
- Flaig RM, *et al.* 2004. *J. Immunol.* 172:6524.
- Falco M, *et al.* 2004. *Eur. J. Immunol.* 34:1663.
- Kumar KR, *et al.* 2006. *Science* 312:1665.

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
PE Mouse IgG1, κ Isotype Ctrl (FC)	MOPC-21	FC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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