

# Product Data Sheet

## LEAF™ Purified anti-human CD352 (NTB-A)

**Catalog # / Size:** 317204 / 500 µg

**Clone:** NT-7

**Isotype:** Mouse IgG1, κ

**Immunogen:** Recombinant extracellular domain of NTB-A

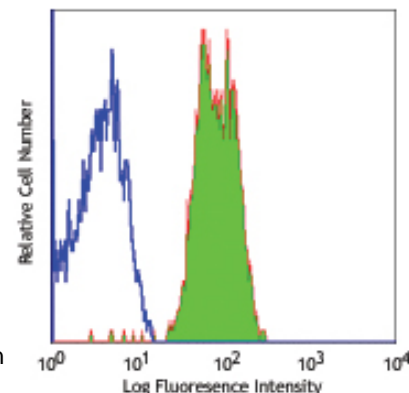
**Reactivity:** Human

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Human peripheral blood lymphocytes stained with LEAF™ purified NT-7, followed by anti-mouse IgG FITC

## Applications:

**Applications:** FC - Quality tested  
Block - Reported in the literature

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: stimulation of NTB-A in a redirected lysis assay and blocking of NTB-A function<sup>3</sup>. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 317204).

**Application References:** 1. Messmer B, *et al.* 2006. *J. Immunol.* 176:4646. (FC)  
2. Ward J, *et al.* 2007. *Blood* 110:1207. (FC) PubMed  
3. 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:** 1. Bottino C, *et al.* 2001. *J. Exp. Med.* 194:235.  
2. Valdez PA, *et al.* 2004. *J. Bio. Chem.* 279:18662.  
3. Flaig RM, *et al.* 2004. *J. Immunol.* 172:6524.  
4. Falco M, *et al.* 2004. *Eur. J. Immunol.* 34:1663.  
5. Kumar KR, *et al.* 2006. *Science* 312:1665.

**Related Products:** **Product**  
LEAF™ Purified Mouse IgG1, κ Isotype Ctrl

**Clone**  
MOPC-21

**Application**  
FC, ICFC, WB, IP, ICC, IF, FA



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