

**PE anti-mouse CD253 (TRAIL)**

**Catalog # / Size:** 1146530 / 200 µg  
1146525 / 50 µg

**Clone:** N2B2

**Isotype:** Rat IgG2a, κ

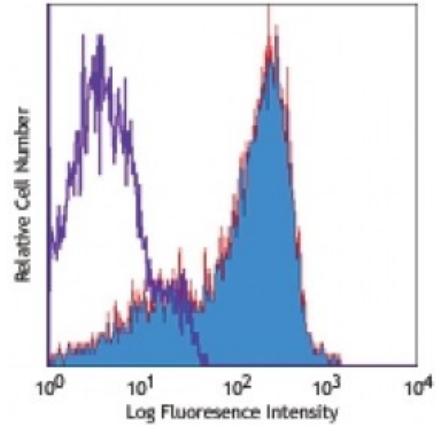
**Immunogen:** Mouse TRAIL-transfected 2PK-3 cells

**Reactivity:** Mouse

**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.

**Concentration:** 0.2



Mouse TRAIL transfected cells stained with N2B2 PE

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: *in vitro* blocking of NK cell cytotoxicity<sup>1,2</sup>. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 109308).

**Application References:**

1. Kayagaki N, *et al.* 1999. *J. Immunol.* 163:1906. (Block)
2. Sato K, *et al.* 2005. *J. Immunol.* 174:4025. (Block)
3. Joshi PS, *et al.* 2006. *J. Leukocyte Biol.* 80:1345.
4. Herold S, *et al.* 2008. *J. Exp. Med.* 205:3065. [PubMed](#)
5. Iannello A, *et al.* 2009. *J. Virol.* 83:5999. [PubMed](#)
6. Komatsu M, *et al.* 2003. *Blood* 101:3991. (Block)
7. Taieb J, *et al.* 2006. *Nature Med.* 12:214. (Block)

**Description:** CD253 is a 40 kD TNF superfamily member known as TRAIL, Apo-2 ligand, and Apo-2L. TRAIL is expressed on a variety of cells, including IL-2 and IL-15 activated NK cells and activated T cells. However, it is undetectable on resting T and B cells. TRAIL has been reported to induce apoptosis in tumor and transformed cell lines by a caspase-dependent process. The N2B2 antibody has been reported to be useful for flow cytometric staining and blocking NK cell cytotoxicity *in vitro*.

**Antigen References:**

1. Kayagaki N, *et al.* 1999. *J. Immunol.* 163:1906.
2. Wiley SR, *et al.* 1995. *Immunity* 3:673.
3. Wu GS, *et al.* 1999. *Cancer Res.* 59:2770.
4. Mariani SM, *et al.* 1998. *Eur. J. Immunol.*