

Product Data Sheet

PE anti-human CD253 (TRAIL)

Catalog # / Size: 308205 / 25 tests
308206 / 100 tests

Clone: RIK-2

Isotype: Mouse IgG1, κ

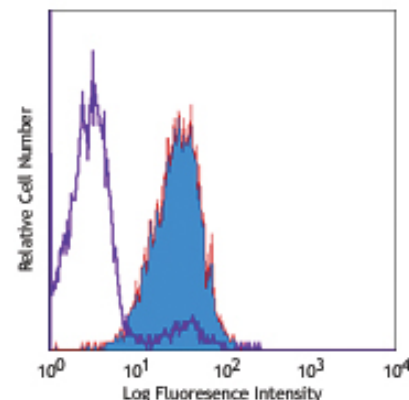
Immunogen: Human TRAIL-transfected mouse cell line

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 TRAIL transfected cells
stained with RIK-2 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: blocking¹⁻⁴ of TRAIL-induced apoptosis and T cell mediated cytotoxicity. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 308208).

Application References:

1. Kayagaki N, *et al.* 1999. *J. Immunol.* 162:2639. (Block)
2. Uno K, *et al.* 2003. *Blood* 101:3658. (Block)
3. Sato K, *et al.* 2005. *J. Immunol.* 174:4025. (Block)
4. Denny MF, *et al.* 2007. *Blood* doi:10.1182/blood-2007-05-089086. (Block)

Description: TRAIL is a 30 kD protein known as TNF-related apoptosis inducing ligand, CD253, TNFSF10, or Apo-2L. It can be expressed as a cell surface (30 kD) and soluble ligand (19-20 kD) produced by megakaryocytes and platelets, monocytes, neutrophils, NK cells and activated T cells. This antigen is also expressed on tumor cells and transformed cell lines. TRAIL has been reported to induce apoptosis in tumor and transformed cell lines by a caspase-dependent process. This antibody is useful for flow cytometric staining and blocking studies.

Antigen References:

1. Pitti RM, *et al.* 1996. *J. Biol. Chem.* 271:12687.
2. Mariani SM, *et al.* 1998. *Eur. J. Immunol.* 28:973.
3. Dorothee G, *et al.* 2002. *J. Immunol.* 169:809.
4. Crist SA, *et al.* 2004. *Exp. Hematology* 32:1073.

Related Products:

| | | |
|---|---------|---------------|
| Product | Clone | Application |
| PE Mouse IgG1, κ Isotype Ctrl | MOPC-21 | FC, ICFC |
| Cell Staining Buffer | | FC, ICC, ICFC |
| RBC Lysis Buffer (10X) | | FC, ICFC |
| Human TruStain FcX™ (Fc Receptor Blocking Solution) | | FC, ICC, ICFC |



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