

Product Data Sheet

Purified anti-human CD253 (TRAIL)

Catalog # / Size: 308202 / 100 µg

Clone: RIK-2

Isotype: Mouse IgG1, κ

Immunogen: Human TRAIL-transfected mouse cell line

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: FC - Quality tested

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 ≤ 1.0 µg per 10^6 cells in 100 µl 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: blocking¹⁻⁴ of TRAIL-induced apoptosis and T cell mediated cytotoxicity. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm 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
Purified Mouse IgG1, κ Isotype Ctrl
PE Goat anti-mouse IgG (minimal x-reactivity)
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MOPC-21
Poly4053

Application
FC, ICFC, ICC, IF, IHC, IP, WB
FC
FC, ICC, ICFC
FC, ICFC



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