

Product Information

Contents: Affinity Purified anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family)

Catalog Number: 14-6603

Sizes: 25 ug, 100 ug

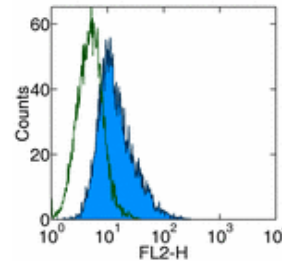
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: JD3

Isotype: Mouse IgG1, κ



Surface staining of human TRAMP transfected cells with anti-human DR3 (JD3) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-6603	PE anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family)	488	575	FC
13-6603	Biotin anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family)	N/A	N/A	FC
14-6603	Affinity Purified anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family)	N/A	N/A	FC

Description

The JD3 monoclonal antibody reacts with human DR3, also known as Apo-3, WSL-1, TRAMP, LARD, DDR3, and TR3. DR3, a novel death receptor is expressed at low level by monocytes and granulocytes. Interaction of DR3 with its ligand activates NF-κB pathway and induces apoptosis. Initially, DR3 was thought to be a receptor for TWEAK, but further studies have shown that TWEAK could induce apoptosis via receptors distinct from DR3. JD3 has been reported for use in flow cytometric analysis.

Usage

For research use only, not for diagnostic or therapeutic use. The JD3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The JD3 antibody has been tested by flow cytometric analysis of human peripheral leukocytes and human DR3-transfected cells. This can be used at less than or equal to 1 μg per million cells in a 100 μl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

- Cat. 11-4011 FITC Anti-Mouse IgG
- Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control
- Cat. 12-6603 PE anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family) (clone JD3)
- Cat. 13-6603 Biotin anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family) (clone JD3)

References

Nakayama, M., K. Ishidoh, et al. 2002. Multiple pathways of TWEAK-induced cell death. *J Immunol* 168(2): 734-43.

Nakayama, M., N. Kayagaki, et al. (2000). "Involvement of TWEAK in Interferon {gamma}-stimulated Monocyte Cytotoxicity." *J. Exp. Med.* 192(9): 1373-1380.

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