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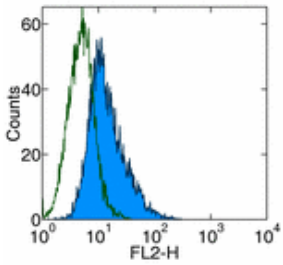
Product Information

Contents: Phycoerythrin (PE) anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family)
Catalog Number: 12-6603
Sizes: 25 tests, 100 tests
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3, 0.2% BSA
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
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 pre-titrated and tested by flow cytometric analysis of human peripheral leukocytes and human DR3-transfected cells. This can be used at 20 µl per 100 µl blood (or per 1 million cells in 100 µl total staining volume).

Related Products

Cat. 12-4714 Phycoerythrin (PE) Mouse IgG1, K Isotype Control
Cat. 13-6603 Biotin anti-human DR3 (TRAMP, Apo-3, TRAIL Receptor family) (clone JD3)
Cat. 14-6603 Affinity Purified 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.