

# Product Data Sheet

## PE anti-human DR3 (TRAMP)

**Catalog # / Size:** 307105 / 25 tests  
307106 / 100 tests

**Clone:** JD3

**Isotype:** Mouse IgG1,  $\kappa$

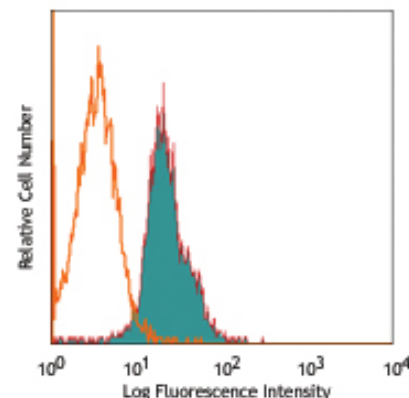
**Immunogen:** human DR3-Ig fusion protein

**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 Tramp transfected cells stained with JD3 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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ 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](http://www.biolegend.com/testsize) regarding the test size change.

**Application Notes:** Additional reported applications (for the relevant formats) include: The JD3 antibody is useful for immunofluorescent staining and flow cytometric analysis of DR3/TRAMP receptor expression. For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 307106) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated antibody (Cat. No. 307104) or biotinylated anti-mouse IgG second step (Cat. No. 405303), followed by SAV-PE (Cat. No. 405204)).

**Application References:** 1. Nakayama M, *et al.* 2002. *J. Immunol.* 168:734.  
2. Cavanlini C, *et al.* 2013. *PLoS One.* 8:60136. PubMed.

**Description:** DR3 is also known as TNFRSF25, Apo-3, WSL-1, TRAMP, LARD, DDR3, and TR3. It is a member of the TNF receptor family expressed at low level by monocytes and granulocytes. Interaction of DR3 with its ligand (TWEAK), activates the NF- $\kappa$ B pathway and induces apoptosis.

**Antigen References:** 1. Nakayama M, *et al.* 2002. *J. Immunol.* 168:734.  
2. Nakayama M, *et al.* 2000. *J. Exp. Med.* 192:1373.

### Related Products:

Product  
PE anti-human CD262 (DR5, TRAIL-R2)  
PE anti-human CD261 (DR4, TRAIL-R1)  
PE anti-human DcR1 (TRAIL-R3, CD263)  
PE Mouse IgG1,  $\kappa$  Isotype Ctrl

Cell Staining Buffer  
RBC Lysis Buffer (10X)

PE anti-human CD264 (TRAIL-R4, DcR2)  
PE anti-human CD264 (TRAIL-R4, DcR2)

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone  
DJR2-4 (7-8)  
DJR1  
DJR3  
MOPC-21

DJR4-1  
DJR4-2

Application  
FC  
FC  
FC  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC  
FC  
FC  
FC, ICC, ICFC



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