

# Product Data Sheet

## Biotin anti-human DR3 (TRAMP)

**Catalog # / Size:** 307104 / 100 µg

**Clone:** JD3

**Isotype:** Mouse IgG1, κ

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

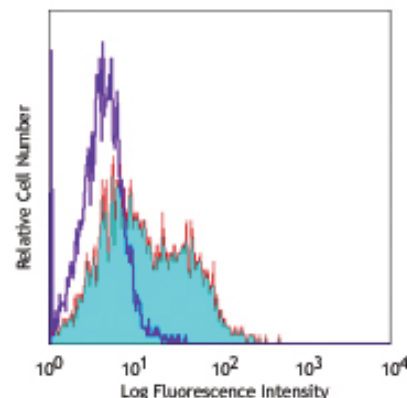
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

**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. **Do not freeze.**



Human Tramp transfected cells stained with biotinylated JD3, followed by SAv-PE

## 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 ≤2.0 µg per million 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: 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.

**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-κB 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**  
 Biotin anti-human CD262 (DR5, TRAIL-R2)  
 Biotin anti-human CD261 (DR4, TRAIL-R1)  
 Biotin anti-human DcR1 (TRAIL-R3, CD263)  
 Biotin Mouse IgG1, κ Isotype Ctrl  
 APC Streptavidin  
 FITC Streptavidin  
 PE Streptavidin  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 Biotin anti-human CD264 (TRAIL-R4, DcR2)  
 Biotin anti-human CD264 (TRAIL-R4, DcR2)  
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

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

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