

# Product Data Sheet

## Purified anti-human CD262 (DR5, TRAIL-R2)

**Catalog # / Size:** 307301 / 25 µg  
 307302 / 100 µg

**Clone:** DJR2-2 (2-6)

**Isotype:** Mouse IgG1, κ

**Immunogen:** Extracellular domain of DR5-human IgG1 Fc fusion protein

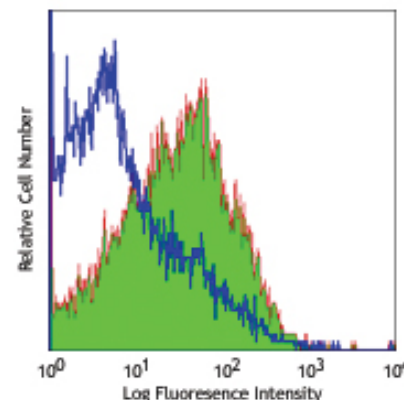
**Reactivity:** Human

**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.



Human peripheral blood lymphocytes stained with purified DJR2-2, followed by biotinylated anti-mouse IgG and 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 or 100 µl of whole blood. 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 DJR2-2 antibody is useful for immunofluorescent staining and flow cytometric analysis of DR5/TRAIL-R2 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 or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-mouse IgG second step (Cat. No. 405303), followed by SAV-PE (Cat. No. 405204)).

**Application References:**

1. Uno K, *et al.* 2003. *Blood* 101:3658.
2. Sato K, *et al.* 2005. *J. Immunol.* 174:4025.
3. Shi J, *et al.* 2008. *Blood* 111:1309.PubMed

**Description:** DR5 is 55 kD member 10B of the TNF receptor superfamily (TNFRSF10B), also known as TRAIL-R2, TRICK2, KILLER, and CD262. It binds the cytotoxic ligand TRAIL and induces apoptosis. The DR5 receptor is broadly expressed on a variety of normal tissues and many tumors. DR5 expression has been reported to be upregulated in human cells by interferon-α, 2-methoxyestradiol, and paclitaxel, and downregulated by adenoviral E3 proteins.

**Antigen References:**

1. MacFarlane M, *et al.* 1997. *J. Biol. Chem.* 272:25417.
2. Walczak H, *et al.* 1997. *EMBO J.* 16:5386.
3. Shigeno M, *et al.* 2003. *Oncogene* 22:1653.
4. LaVallee T, *et al.* 2003. *Cancer Res.* 63:468.
5. Nimmanapalli R, *et al.* 2001. *Cancer Res.* 61:759

### Related Products:

Product	Clone	Application
Purified anti-human CD262 (DR5, TRAIL-R2)	DJR2-4 (7-8)	FC
Purified anti-human CD261 (DR4, TRAIL-R1)	DJR1	FC
Purified anti-human DcR1 (TRAIL-R3, CD263)	DJR3	FC
Purified anti-human DR3 (TRAMP)	JD3	FC
Purified Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC, ICC, IF, IHC, IP, WB
APC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
FITC Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Purified anti-human CD264 (TRAIL-R4, DcR2)	DJR4-1	FC
Purified anti-human CD264 (TRAIL-R4, DcR2)	DJR4-2	FC



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