

Biotin anti-human CD262 (DR5, TRAIL-R2)

Catalog # / Size: 307403 / 25 µg
307404 / 100 µg

Clone: DJR2-4 (7-8)

Isotype: Mouse IgG1, κ

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

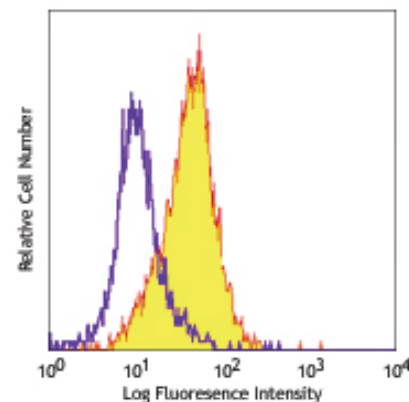
Reactivity: Human

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 peripheral blood granulocytes stained with biotinylated DJR2-4, followed by SA_v-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 DJR2-4 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 (Cat. No. 307406) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated antibody (Cat. No. 307404) or biotinylated anti-mouse IgG second step (Cat. No. 405303), followed by SA_v-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.

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
Biotin anti-human CD261 (DR4, TRAIL-R1)	DJR1	FC
Biotin anti-human DcR1 (TRAIL-R3, CD263)	DJR3	FC
Biotin anti-human DR3 (TRAMP)	JD3	FC
Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
APC Streptavidin		FC, ICFC
FITC Streptavidin		FC, ICFC
PE Streptavidin		FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Biotin anti-human CD264 (TRAIL-R4, DcR2)	DJR4-1	FC
Biotin anti-human CD264 (TRAIL-R4, DcR2)	DJR4-2	FC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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