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Product Data Sheet

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

Catalog # / Size: 307405 / 25 tests
307406 / 100 tests

Clone: DJR2-4 (7-8)

Isotype: Mouse IgG1, κ

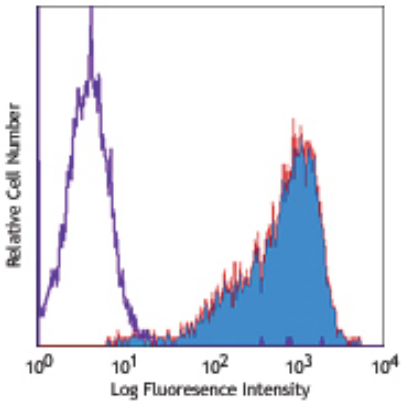
Immunogen: Extracellular domain of DR5-human IgG1 Fc fusion protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with 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 DR5 transfected cells stained with DJR2-4 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 µl to 5 µl per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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 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. Stolfi, C., *et al.* 2011. *Mol Cancer Ther.* 10:1969. PubMed.
4. Hu W, *et al.* 2012. *Asian J Androl.* PubMed.
5. Magnussen GL, *et al.* 2012. *Biochem Biophys Res Commun.* 420:516. 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
PE anti-human CD261 (DR4, TRAIL-R1)	DJR1	FC
PE anti-human DcR1 (TRAIL-R3, CD263)	DJR3	FC
PE anti-human DR3 (TRAMP)	JD3	FC
PE Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
PE anti-human CD264 (TRAIL-R4, DcR2)	DJR4-1	FC
PE anti-human CD264 (TRAIL-R4, DcR2)	DJR4-2	FC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC

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