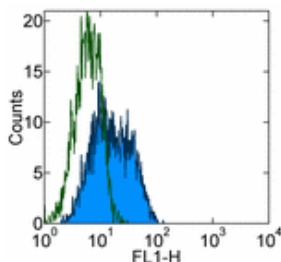


Anti-Human CD261 (DR4) Purified

Catalog Number: 14-6644

Also Known As: TRAIL Receptor 1, TRAIL-R1, TRAILR1

RUO: For Research Use Only



Staining of human DR4-transfected cells with Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or Anti-Human CD261 (DR4) Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD261 (DR4) Purified


REF Catalog Number: 14-6644

Clone: DJR1

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The DJR1 monoclonal antibody reacts with human DR4, also known as TRAIL-R1. DR4 binds to TRAIL, activates NF- κ B, and induces TRAIL-mediated apoptosis. DR4 is expressed by a variety of human tumor cells and at very low level on human leukocytes.

Expression has also been found inside the cell on some cell lines (Zhang *et al*). This has been confirmed with intracellular staining of Jurkat cell line. Please contact tech@ebioscience.com for more information.

Applications Reported

This DJR1 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applications Tested

The DJR1 antibody has been tested by flow cytometric analysis of human DR4-transfected cells. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Ishiyama K, Ohdan H, Ohira M, Mitsuta H, Arihiro K, Asahara T. Difference in cytotoxicity against hepatocellular carcinoma between liver and periphery natural killer cells in humans. *Hepatology*. 2006 Feb;43(2):362-72. (DJR1, IHC frozen, PubMed)

Earel JK Jr, Vanoosten RL, Griffith TS. Histone deacetylase inhibitors modulate the sensitivity of tumor necrosis factor-related apoptosis-inducing ligand-resistant bladder tumor cells. *Cancer Res*. 2006 Jan 1;66(1):499-507. (DJR1, FC)

Zhang XD, Franco A, Myers K, Gray C, Nguyen T, Hersey P. Relation of TNF-related apoptosis-inducing ligand (TRAIL) receptor and FLICE-inhibitory protein expression to TRAIL-induced apoptosis of melanoma. *Cancer Res*. 1999 Jun 1;59(11):2747-53.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

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