

dcTRAILR2 (Lucy-1): sc-57078

BACKGROUND

TRAILR1 and TRAILR2, receptors for the tumor necrosis factor-related apoptosis-inducing ligand (TRAIL), are members of the tumor necrosis factor (TNF) family of cytokines and induce apoptosis in a broad range of cells. The two function as dosage-dependent tumor suppressors, and both TRAILR1 and TRAILR2 activate a caspase-dependent apoptotic pathway, but unlike TRAILR1, TRAILR2 mediates apoptosis via the intracellular adaptor molecule FADD/MORT1. Decoy TRAILR2 (or dcTRAILR2) represents the receptor for the cytotoxic ligand TNFSF10/TRAIL. dcTRAILR2 lacks a cytoplasmic death domain and is therefore not able to induce apoptosis or the NF κ B pathway. dcTRAILR2 functions to protect cells against TRAIL mediated apoptosis possibly through ligand competition.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: Tnfrsf22 (mouse) mapping to 7 F5.

SOURCE

dcTRAILR2 (Lucy-1) is a rat monoclonal antibody raised against a recombinant protein corresponding to amino acids 1-170 of the extracellular domain of dcTRAILR2 of mouse origin.

PRODUCT

Each vial contains 50 μ g IgG_{2a} in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

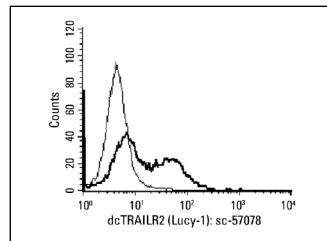
APPLICATIONS

dcTRAILR2 (Lucy-1) is recommended for detection of dcTRAILR2 of mouse origin by flow cytometry (1 μ g per 1 x 10⁶ cells).

Suitable for use as control antibody for dcTRAILR2 siRNA (m): sc-60514, dcTRAILR2 shRNA Plasmid (m): sc-60514-SH and dcTRAILR2 shRNA (m) Lentiviral Particles: sc-60514-V.

Molecular Weight of dcTRAILR2: 22 kDa.

DATA



dcTRAILR2 (Lucy-1): sc-57078. Intracellular FCM analysis of fixed and permeabilized non-transfected (thin line) and dcTRAILR2 transfected (thick line) 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.