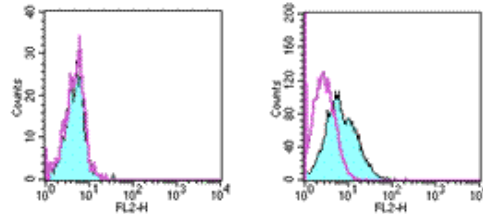


Product Information

Contents: Phycoerythrin (PE) Purified anti-mouse TWEAK
Catalog Number: 12-9913
Sizes: 50 ug, 100 ug, 200 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: MTW-1
Isotype: Rat IgG1, κ



Staining of non-transfected (left) and TWEAK transfected (right) L5178Y cells with 0.125 µg of PE rat IgG1 isotype control (cat.12-4301) (open histogram) or 0.125 µg of PE MTW-1 (colored histogram). Total viable cells were used for analysis.

Available Formats of This Product

| Cat. No. | Format | Excite (nm) | Emit (nm) | Reported Applications |
|----------|---|-------------|-----------|-----------------------|
| 12-9913 | PE anti-mouse TWEAK | 488 | 575 | FC |
| 13-9913 | Biotin anti-mouse TWEAK | N/A | N/A | FC |
| 14-9913 | Affinity Purified anti-mouse TWEAK | N/A | N/A | FC |
| 16-9913 | Functional Grade* Purified anti-mouse TWEAK | N/A | N/A | FC |

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/µg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The MTW-1 monoclonal antibody reacts with mouse TWEAK, a type II transmembrane TNF superfamily member with high identity to TNF in its extracellular portion. TWEAK transcript is expressed broadly in many adult and fetal tissues. TWEAK is expressed as membrane bound and secreted forms. Interaction of TWEAK with its counter-receptor (Fn14, TWEAK-R) promotes secretion of IL-8, activation of NF-κB, proliferation of endothelial cells, and apoptosis in a number of human cell lines. Initially, DR3 was thought to be a receptor for TWEAK, but further studies have shown that TWEAK could induce apoptosis via receptors distinct from DR3. While TWEAK exhibits overlapping signaling functions to TNF, it is generally less effective in inducing apoptosis, giving rise to its name, TNF-like weak inducer of apoptosis.

Usage

For research use only, not for diagnostic or therapeutic use. MTW-1 has been reported for use in flow cytometric analysis.

Applications Tested

The MTW-1 antibody has been tested by flow cytometric analysis of mouse TWEAK-transfected cells and can be used at less than or equal to 0.25 µg per million cells. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 12-4301 PE Rat IgG1 Isotype Control

References

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