EXBIO Antibodies

PRODUCT DATA SHEET

1P-518-C025

Monoclonal Antibody to CD263 / TRAIL-R3 Phycoerythrin (PE) conjugated (0.025 mg)

Clone: TRAIL-R3-02

Isotype: Mouse IgG1

Specificity: The antibody TRAIL-R3-02 reacts with TRAIL-R3, a 35 kDa GPI-anchored extracellular membrane protein expressed mainly on neutrophils.

Regulatory Status: RUO

Immunogen: TRAIL-R3 (aa 1-280) - hIgGhc fusion protein

Species Reactivity: Human

Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

Concentration: 0.1 mg/ml

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Usage: The reagent is designed for Flow Cytometry analysis.
Suggested working concentration is 3 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.

Expiration: See vial label

Lot Number: See vial label

Background: TRAIL-R3 (CD263, TR3, DcR1, LIT, TRID), expressed mainly on neutrophils, belongs to receptors of TRAIL, a TNF-like membrane cytotoxic protein that induces apoptosis in many tumour cells, but not in normal cells. TRAIL-R3, however, is a GPI-anchored protein that lacks cytoplasmic death domain, thus it is unable to induce apoptosis and serves as a negative regulator of apoptotic signaling by competing for binding of TRAIL with death receptor 5 (DR5).

References:

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*Mérino D, Lalaoui N, Morizot A, Schneider P, Solary E, Micheau O: Differential inhibition of TRAIL-mediated DR5-DISC formation by decoy receptors 1 and 2. Mol Cell Biol. 2006 Oct;26(19):7046-55.
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*Deligezer U, Dalay N: Expression of the TRAIL Receptors in Blood Mononuclear Cells in Leukemia. Pathol Oncol Res. 2007;13(4):290-4.

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