Data Sheet (Cat.No.TMAY-00864P)

Anti-DR5/TRAIL R2 Antibody-PE (3K136)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	PE
Clone:	3K136
Purification:	Protein A

Applications

Verified Activity:	Profile of anti-TNFRSF10B (CD262) reactivity on Jurkat cells analyzed by flow cytometry.
Application:	FCM
Recommended	10 μl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human TRAIL R2 / TNFRSF10B / CD262 protein (TMPY-01185)
Antigen Species:	Human
Synonyms:	TRICKB;TRAIL-R2;TRICK2;KILLER;TRICK2A;CD262;ZTNFR9;DR5;tumor necrosis factor receptor superfamily, member 10b;TRICK2B;TRAILR2;KILLER/DR5
Biology Area:	Cancer Drug Targets

Research Background

Tumor necrosis factor receptor superfamily, member 10b, official symbol TNFRSF10B, also known as Death receptor 5, CD262, TNF-related apoptosis-inducing ligand receptor 2 (TRAIL R2), is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. TRAIL R2/CD262/TNFRSF10B was purified independently as the only receptor for TRAIL detectable on the surface of two different human cell lines that undergo apoptosis upon stimulation with TRAIL. TRAIL R2/CD262/TNFRSF10B contains two extracellular cysteine-rich repeats, typical for TNF receptor (TNFR) family members, and a cytoplasmic death domain. TRAIL R2/CD262/TNFRSF10B mediates apoptosis via the intracellular adaptor molecule FADD/MORT1. TRAIL receptors can signal both death and gene transcription, functions reminiscent of those of TNFR1 and TRAMP, two other members of the death receptor family. Defects in TRAIL R2/CD262/TNFRSF10B may be a cause of head and neck squamous cell carcinomas (HNSCC) also known as squamous cell carcinoma of the head and neck.Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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