

Anti-DR4 [T1014G03] Bulk Size Ab04096-23.0-BT

Isotype and Format: Rabbit IgG, Lambda

Clone Number: T1014G03

Alternative Name(s) of Target: CD261; TR4; TNFRSF10A; APO2; TRAILR1; Tumor necrosis factor receptor superfamily member 10A; Death receptor 4; TNF-related apoptosis-inducing ligand receptor 1

UniProt Accession Number of Target Protein: O00220

Published Application(s): in vivo, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from a human scFv library by panning against human TR4 fusion protein. Later on the scFv version of this antibody was converted to human IgG1 version for carrying out further studies.

Specificity: This antibody binds human CD261 (TR4 or TRAILR1 or TNFRSF10A). This protein acts as a receptor for the cytotoxic ligand TNFSF10/TRAIL and transduces cell death signal and induces cell apoptosis.

Application Notes: The binding specificity of this antibody to human TR4 (CD126) fusion protein was determined using ELISA. This antibody does not cross react with other proteins like TR7, TR5, TR10 and BLyS. It was reported that the scFv version of the antibody binds human TR4 fusion protein with a binding affinity of $K_d = 5.54 \times 10^{-10}$ nM. It was also reported that when administered with in vivo Topotecan, this antibody was capable of retarding the growth of tumor cells in nude mice (US7064189).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.