

## Anti-DR5 [Fab-BDF1] Standard Size Ab00427-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original human Fab format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** Fab-BDF1

**Alternative Name(s) of Target:** TRAIL receptor 2; Proapoptotic Death Receptor DR5; Death Receptor 5; TRAIL receptor 2; TRAILR2; Tumor Necrosis Factor Receptor Superfamily Member 10B; TNFRSF10B

**UniProt Accession Number of Target Protein:** Q9BY82

**Published Application(s):** Blocking, ELISA

**Published Species Reactivity:** Human

**Immunogen:** Human immobilized DR5.

**Specificity:** The antibody binds to human DR5 with nanomolar affinity. The original format of this antibody has an IC50-value of 2 nM.

**Application Notes:** The antibody binds to human DR5, a receptor that can be activated by tumor necrosis factor-related ligands and transduces apoptosis signals. The antibody occludes the smaller of the two Apo2L/TRAIL binding sites on DR5

**Antibody First Published in:** Li et al. Activation of the proapoptotic death receptor DR5 by oligomeric peptide and antibody agonists. Journal of Molecular Biology 2006; 361(3):522-36 [PMID:16859704](#)

**Note on publication:** Describes the use of phage display to generate a synthetic antibody against human proapoptotic death receptor DR5 and subsequent crystallography.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.