

Anti-DR5 [Fab-BDF1] Standard Size Ab00427-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This reformatted human 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: Human F(ab)2, AbFab2™ His-Tagged, 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 Meber 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: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.