

Anti-4-1BB [LOB12.3] Standard Size Ab01052-10.0

This chimeric human antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: LOB12.3

Alternative Name(s) of Target: CD137; TNFRSF9; 41BB; 4-1BBL Ligand; Tumor necrosis factor superfamily member 9; TNF receptor superfamily member 9; LOB 12.3; LOB123; LOB12.3

UniProt Accession Number of Target Protein: P20334

Published Application(s): Activate, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was generated by immunizing rats with recombinant CD137-Fc fusion protein.

Specificity: This antibody binds to mouse 4-1BB (CD137).

Application Notes: This antibody can be used to detect mouse 4-1BB (CD137). In its original rat IgG1 format, this antibody had agonistic effect and prolonged survival of mice bearing CT26 or A31 tumors. In the original publication another clone LOB12 disclosed which has a rat IgG2a isotype. This has led to some confusion in the literature with regards to the original isotype of LOB12 and LOB12.3. We offer this antibody in both formats as well as murine versions so that researchers may choose the isotype most appropriate for their assays.

Antibody First Published in: Taraban Expression and costimulatory effects of the TNF receptor superfamily members CD134 (OX40) and CD137 (4-1BB), and their role in the generation of anti-tumor immune responses. Eur J Immunol. 2002 Dec;32(12):3617-27 [PMID:12516549](#)

Note on publication: Describes the generation of this antibody and initial characterisation of its agonistic properties.

Product Form

Size: 100 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.