

Anti-ROR1 [M508] Bulk Size Ab03863-10.0-BT

Isotype and Format: Human IgG1, Kappa

Clone Number: M508

Alternative Name(s) of Target: NTRKR1; Inactive tyrosine-protein kinase transmembrane receptor ROR1; Neurotrophic tyrosine kinase, receptor-related 1; R12

UniProt Accession Number of Target Protein: Q01973

Published Application(s): functional assay, ELISA, FC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing wild-type mice with full-length extracellular portion of human ROR1 protein.

Specificity: This antibody binds the human ROR1. ROR1 is a type I membrane protein and belongs to the ROR subfamily of cell surface receptors. It is a pseudo kinase that lacks catalytic activity. Receptor tyrosine kinase ROR1 plays an essential role in embryogenesis and is overexpressed in many types of malignant tumors. Antibody-based immunotherapies targeting ROR1 have been developed and evaluated in preclinical and clinical studies with promising outcomes.

Application Notes: The binding reactivity of this antibody to full-length extracellular portion of human ROR1 protein and its truncated forms was done using ELISA. The binding reactivity and specificity of this antibody was comparable with another anti-ROR1 antibody R12. The mouse-human chimeric IgG1 version of this antibody binds human ROR1 with a binding affinity of $K_d = 1.4$ nM. This antibody could bind human ROR1 expressed on the surface of breast cancer cell line MDA-MB-231 in a flow cytometric assay. This antibody is recommended for detection of human ROR1 expressing tumor cells (CN114539411).

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.