

## Anti-ROR1 [M508] Bulk Size Ab03863-23.0-BT

**Isotype and Format:** Rabbit IgG, 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.