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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-ROR1 [M508] Standard Size Ab03863-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, 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:

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.