

**ROR1 monoclonal antibody**

Catalog: MB21248

Host: Mouse

Reactivity: Human

**BackGround:**

ROR1, a type I membrane protein, is a receptor protein tyrosine kinase that modulates neurite growth in the central nervous system. The ROR-family receptor tyrosine kinases consist of two structurally related proteins, ROR1 and ROR2. These proteins are characterized by having intracellular tyrosine kinase domains, which are highly related to Trk-family kinases, extracellular Frizzled-like cysteine-rich domains (CRDs) and Kringle domains. The ROR family members are highly conserved among species, such as *C. elegans*, *Drosophila*, *Xenopus* and mammals. ROR1 and ROR2 are both involved in organogenesis with particular emphasis in neuronal differentiation. Increased expression of ROR1 in acute lymphoblastic leukemias (ALLs) as well as chronic lymphocytic leukemias (CLLs) implicate this protein as a potential tool for targeted immunotherapy in these diseases.

**Product:**

Purified antibody in PBS with 0.05% sodium azide.

**Molecular Weight:**

101kDa

**Swiss-Prot:**

Q01973

**Purification&Purity:**

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

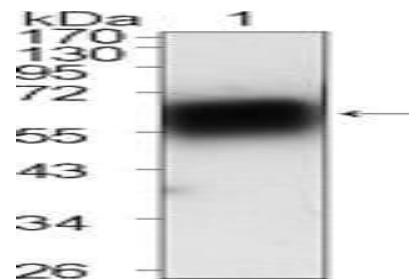
IF: 1/200 - 1/1000

**Storage&Stability:**

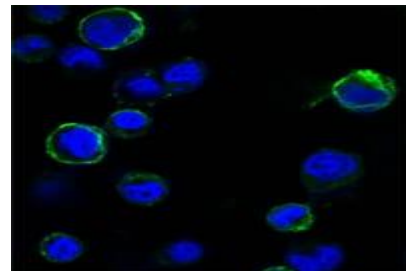
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

Mouse IgG1

**DATA:**

Western blot analysis using ROR1 mouse mAb against extracellular domain of human ROR1 (aa30-423).



Confocal Immunofluorescence analysis of HEK293 cells transfected with extracellular ROR1 (aa30-406)-hIgGFc using ROR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

**Note:**

For research use only, not for use in diagnostic procedure.

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