

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human ROR1 in direct ELISAs. |
| Source | Monoclonal Mouse IgG ₁ Clone # 1011919 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Chinese hamster ovary cell line CHO-derived recombinant human ROR1 Ala24-Glu403 Accession # Q01973 |
| Conjugate | Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | MDA-MB-231 human breast cancer cell line |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

ROR1 belongs to the ROR family of receptor tyrosine kinases, which are characterized by: the extracellular immunoglobulin domain, cysteine-rich domain that resembles the Wnt-binding sites of Frizzled proteins, kringle domain and intracellular kinase domain. Human ROR1 shares 97% and 58% amino acid sequence identity with mouse ROR1 and human ROR2, respectively.

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