

Analyte Specific Reagent.

Analytical and performance characteristics are not established

	Specifications	
IOTest Anti-ROR1-PE PN B68136 Conjugated Antibody Liquid - 1 mL	Clone	2A2
	Hybridoma	ND
	Immunogen	ROR1-Fc fusion protein
	Isotype	IgG1 kappa
	Species	Mouse
	Source	Purified
	Purification	Affinity chromatography
	Fluorochrome	R Phycoerythrin (PE)
	Molar ratio	PE / Ig: 0.5 - 1.5
	λ excitation	488 nm
	Emission Peak	575 nm
	Buffer	PBS pH 7.2 plus 2 mg / mL BSA and 0.1% NaN ₃

SPECIFICITY

The receptor tyrosine kinase like orphan receptor ROR1 together with ROR2 constitutes the ROR family that is highly homologous in humans and mice (1). ROR1 and ROR2 are composed of a distinguished extracellular region with one immunoglobulin domain, one frizzled domain, and one kringle domain, followed by a transmembrane region and an intracellular region that contains a tyrosine kinase domain. Epitope mapping studies showed that the 2A2 clone recognized N-terminal epitopes in the extracellular region of ROR1 (2).

REAGENT CONTENTS

Concentration: See lot specific Certificate of Analysis at www.beckmancoulter.com.

PRECAUTIONS

- This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
- Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.

- Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
- Do not use antibody beyond the expiration date on the label.
- Do not expose reagents to strong light during storage or incubation.
- Avoid microbial contamination of reagents or incorrect results might occur.
- Use good laboratory practices when handling this reagent.
- Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING CONDITIONS AND STABILITY

This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze. No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES

- The Ror receptor tyrosine kinase family. Forrester WC. Cell Mol Life Sci. 2002 Jan;59(1):83-96. Review.
- Targeting malignant B cells with an immunotoxin against ROR1. Sivasubramanian Baskar, Adrian Wiestner, Wyndham H. Wilson, Ira Pastan, and Christoph Rader. MAbs. 2012 May 1; 4(3): 349–361. PMID: 22531447

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