



## *Biotinylated Anti-human ROR1 Receptor Tyrosine Kinase Antibody*

### ORDERING INFORMATION

**Catalog Number:** BAF2000

**Lot Number:** CDCZ01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** human ROR1 extracellular domain

**Immunogen:** NS0-derived rhROR1 extracellular domain

**Ig Type:** goat IgG

**Application:** Western blot

### *Preparation*

Produced in goats immunized with purified, NS0-derived, recombinant human Receptor tyrosine kinase-like Orphan Receptor 1 (rhROR1) extracellular domain. Human ROR1 specific IgG was purified by human ROR1 affinity chromatography and then biotinylated. 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.

### *Formulation*

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

### *Reconstitution*

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

### *Storage*

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity*

This antibody has been selected for use as a detection antibody in human ROR1 Western blots.

### *Application*

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human ROR1. The detection limit for rhROR1 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhROR2.

**Optimal dilutions should be determined by each laboratory for each application.**