

# CoraLite® Plus 488-conjugated ROR1 Monoclonal antibody

Catalog Number: **CL488-66923**

## Basic Information

**Catalog Number:**

CL488-66923

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG14586

**GenBank Accession Number:**

BC006374

**GeneID (NCBI):**

4919

**UNIPROT ID:**

Q01973

**Full Name:**receptor tyrosine kinase-like orphan  
receptor 1**Calculated MW:**

937 aa, 104 kDa

**Observed MW:**

130 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1F5D8

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:****Species Specificity:**

Human

## Background Information

ROR1 is a member of the RTK family of orphan receptors related to muscle specific kinase and Trk neurotrophin receptors (PMID: 18546292). ROR1 is primarily expressed by neural crest cells during embryogenesis. High expression of ROR1 is reported in many types of malignancies and is thought to be involved in tumor growth, apoptosis, and epithelial-mesenchymal transition (PMID: 26245996). The human ROR1 gene encodes a 937-amino acid protein with an Ig-like domain, a cysteine-rich domain, a kringle domain, a tyrosine kinase domain and a proline-rich domain. The calculated molecular weight of ROR1 is 104 kDa, but ROR1 has multiple N-glycosylation sites that generate post-translationally modified ROR1 at 130 kDa (PMID: 24752542).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

