

For Research Use Only

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:

FC (Intra)

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

For technical support and original validation data for this product please contact:

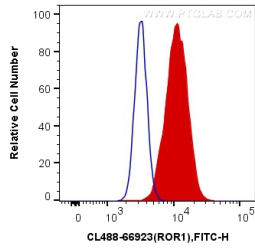
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ K-562 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ROR1 (CL488-66923, Clone:1F5D8) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).