

For Research Use Only

# CoraLite® Plus 488-conjugated ROR2 Monoclonal antibody



Catalog Number: **CL488-67906**

## Basic Information

<b>Catalog Number:</b> CL488-67906	<b>GenBank Accession Number:</b> BC130522	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4920	<b>CloneNo.:</b> 1A12C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01974	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> receptor tyrosine kinase-like orphan receptor 2	
<b>Immunogen Catalog Number:</b> AG31197	<b>Calculated MW:</b> 943 aa, 105 kDa	
	<b>Observed MW:</b> 105 kDa	

## Applications

**Tested Applications:**  
**Species Specificity:**  
Human, Mouse, Rat

## Background Information

Tyrosine-protein kinase transmembrane receptor ROR2 belongs to the ROR-family of receptor tyrosine kinases (RTKs) (PMID: 12815588). ROR2 is a developmentally regulated protein that has significant expression and roles in a wide variety of tissues during early embryonic development. It was established that ROR2 plays a key role in skeletal and neural organogenesis, as well as in midgut development in the mouse, but then becomes repressed in adult tissues. It may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling (PMID: 25614331). Mutations in ROR2 gene are associated with autosomal recessive Robinow syndrome and autosomal dominant brachydactyly type B (PMID: 12815588).

## 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:  
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