

For Research Use Only

# CoraLite® Plus 488-conjugated CD90 Monoclonal antibody



Catalog Number: **CL488-66766**

## Basic Information

<b>Catalog Number:</b> CL488-66766	<b>GenBank Accession Number:</b> BC065559	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7070	<b>CloneNo.:</b> 2D7D11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04216	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG2a	<b>Full Name:</b> Thy-1 cell surface antigen	
<b>Immunogen Catalog Number:</b> AG25603	<b>Calculated MW:</b> 161 aa, 18 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

**Tested Applications:**  
**Species Specificity:**  
Human, pig, rat

## Background Information

CD90, also known as THY1, is a 25-35 kD protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

## 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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