

For Research Use Only

CoraLite® Plus 488-conjugated CD90 Monoclonal antibody



Catalog Number: CL488-66766

Basic Information

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

Applications

Tested Applications:
FC (Intra)

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:

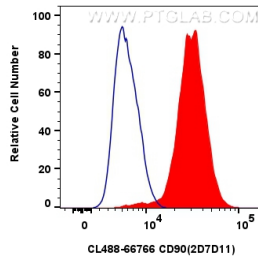
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ U2OS cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CD90 (CL488-66766, Clone:2D7D11)(red), or 0.8 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).